

TEST REPORT

Product Name: WiFi module
FCC ID: QUY-WM0006
Trademark: Trend
Model Number: WM0006C, WM0006B
Prepared For: Trend Electronics Co., Ltd.
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Manufacturer: Trend Electronics Co., Ltd.
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Sample Received Date: Jun. 29, 2023
Sample tested Date: Jun. 29, 2023 to Jul. 27, 2023
Issue Date: Jul. 27, 2023
Report No.: CTB230706003RFX
Test Standards: FCC Part15.247
ANSI C63.10:2013
Test Results: PASS
Remark: This is WIFI-2.4GHz band radio test report.

Compiled by:

Reviewed by:

Approved by:

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Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

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(Note: N/A means not applicable)



1. VERSION

Report No.	Issue Date	Description	Approved
CTB230706003RFX	Jul. 06, 2023	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Test Item	Test Requirement	Test method	Result
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Band edge and RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)/15.205(a)	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013	PASS
Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	ANSI C63.10-2013/ KDB 558074 D01 v05r02	PASS
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (b)	/	PASS
RF Exposure Evaluation	47 CFR Part 15 Subpart C Section 15.247 (i)/1.1310/2.1091	KDB447498D01v06	PASS

Remark:

Test according to ANSI C63.10-2013.

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Item	Uncertainty
Occupancy bandwidth	U=±54.3Hz
Conducted output power Above 1G	U=±1.0dB
Conducted output power below 1G	U=±0.9dB
Power Spectral Density , Conduction	U=±1.0dB
Conduction spurious emissions	U=±2.8dB
Out of band emission	U=±54Hz
3m chamber Radiated spurious emission(9KHz-30MHz)	U=±4.8dB
3m chamber Radiated spurious emission(30MHz-1GHz)	U=±4.3dB
3m chamber Radiated spurious emission(1GHz-18GHz)	U=±4.5dB
3m chamber Radiated spurious emission(1GHz-40GHz)	U=±4.8dB
humidity uncertainty	U=±5.3%
Temperature uncertainty	U=±0.59°C
Supply voltages	U=±3%
Time	U=±5%
Conducted Emission (9KHz-30MHz)	3.2 dB

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model(s):	WM0006C, WM0006B
Model Description:	All the model are the same circuit and RF module, only for model name. Test sample model: WM0006C
Wi-Fi Specification:	IEEE 802.11b/g/n
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	WiFi: IEEE 802.11b/g/n 20: 2412-2462MHz/ 11 channel IEEE 802.11n 40: 2422-2452MHz/ 7 channel
Max. RF output power:	WiFi (2.4G) : 16.66dBm
Type of Modulation:	WiFi: DSSS, OFDM
Antenna installation:	WiFi: Dipole Antenna or FPC Antenna
Antenna Gain:	WiFi (2.4G) : 5.42dBi (Max)
Ratings:	DC 5V by adapter

4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	Laptop	DELL	Vostro 5490	N/A	N/A
2.	Adapter	JIYIN	JY-05100C	/	/

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462		

4.5 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

ANT 1, ANT 2, ANT 3, ANT 4, ANT 5, ANT 6, ANT 7, ANT 8, ANT 9, ANT 10, ANT 11, ANT 12

Test mode	Low channel	Middle channel	High channel
Transmitting(802.11b/g/n20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n40)	2422MHz	2437MHz	2452MHz

MIMO(ANT 1+ANT 2)..

Test mode	Low channel	Middle channel	High channel
Transmitting(802.11n20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n40)	2422MHz	2437MHz	2452MHz

NOTE: Dutycycle>98%.

Test mode	Rate
802.11b	11M
802.11g	54M
802.11/n20	65M
802.11/n40	65M

4.6 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC)V:	5
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	50

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at 1&2F., Building A, No. 26, Xinghe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

5.2 Test Instrument Used

Item	Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	2023.07.19
2	Power Sensor	Agilent	U2021XA	MY56120032	2023.07.19
3	Power Sensor	Agilent	U2021XA	MY56120034	2023.07.19
4	Communication test set	R&S	CMW500	108058	2023.07.19
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	2023.07.19
6	Signal Generator	Agilent	N5181A	MY50140365	2023.07.19
7	Vector signal generator	Agilent	N5182A	MY47420195	2023.07.19
8	Communication test set	Agilent	E5515C	MY50102567	2023.07.19
9	2.4 GHz Filter	Shenxiang	MSF2400-2483.5MS-1154	20181015001	2023.07.19
10	5 GHz Filter	Shenxiang	MSF5150-5850 MS-1155	20181015001	2023.07.19
11	Filter	Xingbo	XBLBQ-DZA120	190821-1-1	2023.07.19
12	BT&WI-FI Automatic test software	Microwave	MTS8000	Ver. 2.0.0.0	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	2023.10.30
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	2023.07.19
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/
16	966 chamber	C.R.T.	966	/	2024.08.11
17	Receiver	R&S	ESPI	100362	2023.07.19
18	Amplifier	HP	8447E	2945A02747	2023.07.19
19	Amplifier	Agilent	8449B	3008A01838	2023.07.19
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	2023.07.22

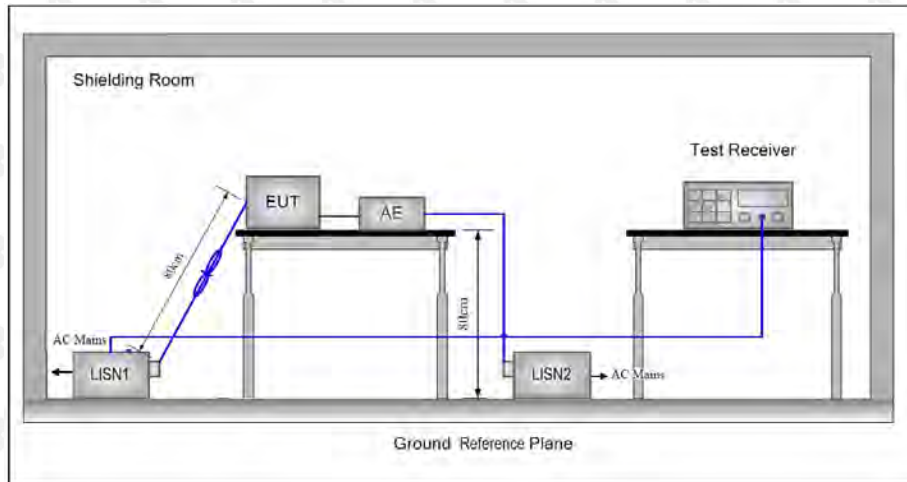
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	2023.07.22
22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	2023.07.23
24	loop antenna	ZHINAN	ZN30900A	GTS534	/
25	40G Horn antenna	A/H/System	SAS-574	588	2024.10.30
26	Amplifier	AEROFLEX	Aeroflex	097	2024.10.30

Continuous disturbance					
No.	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	LISN	ROHDE&SCHWARZ	ESH3-Z5	100318	2023.07.19
2	Pulse limiter	ROHDE&SCHWARZ	ESH3Z2	357881052	2023.07.19
3	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100428/003	2023.07.19
4	Coaxial cable	ZDECL	Z302S-NJ-SMA J-12M	18091905	2023.07.19
5	ISN	Schwarzbeck	NTFM8158	183	2023.07.19
6	Communication test set	Agilent	E5515C	MY50102567	2023.07.19
7	Communication test set	R&S	CMW500	108058	2023.07.19
8	EZ-EMC	Frad	EMC-con3A1.1	/	/

Radiated emission					
No.	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	01911	2023.07.22
2	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	2023.07.22
3	Amplifier	Agilent	8449B	3008A01838	2023.07.19
4	Amplifier	HP	8447E	2945A02747	2023.07.19
5	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100428/003	2023.07.19
6	Coaxial cable	ETS	RFC-SNS-100-NMS-80 NI	/	2023.07.19
7	Coaxial cable	ETS	RFC-SNS-100-NMS-20 NI	/	2023.07.19
8	Coaxial cable	ETS	RFC-SNS-100-SMS-20 NI	/	2023.07.19
9	Coaxial cable	ETS	RFC-NNS-100-NMS-300 NI	/	2023.07.19
10	Communication test set	Agilent	E5515C	MY50102567	2023.07.19
11	Communication test set	R&S	CMW500	108058	2023.07.19
12	EZ-EMC	Frad	EMC-con3A1.1	/	/

6. AC POWER LINE CONDUCTED EMISSION

6.1 Block Diagram Of Test Setup



6.2 Limit

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 ^{Note 1}	56 to 46 ^{Note 1}
0.5 - 5	56	46
5 - 30	60	50

Note 1: The level decreases linearly with the logarithm of the frequency.

* Decreasing linearly with the logarithm of the frequency

6.3 Test procedure

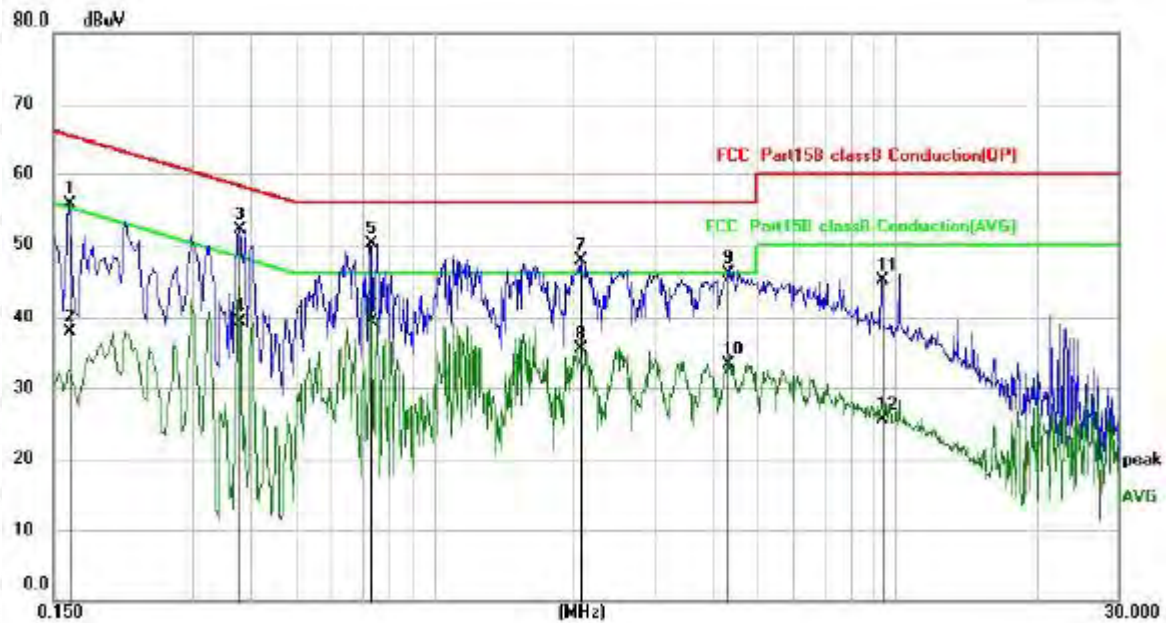
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50 Ω /50 μ H + 5 Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane.

This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

6.4 Test Result

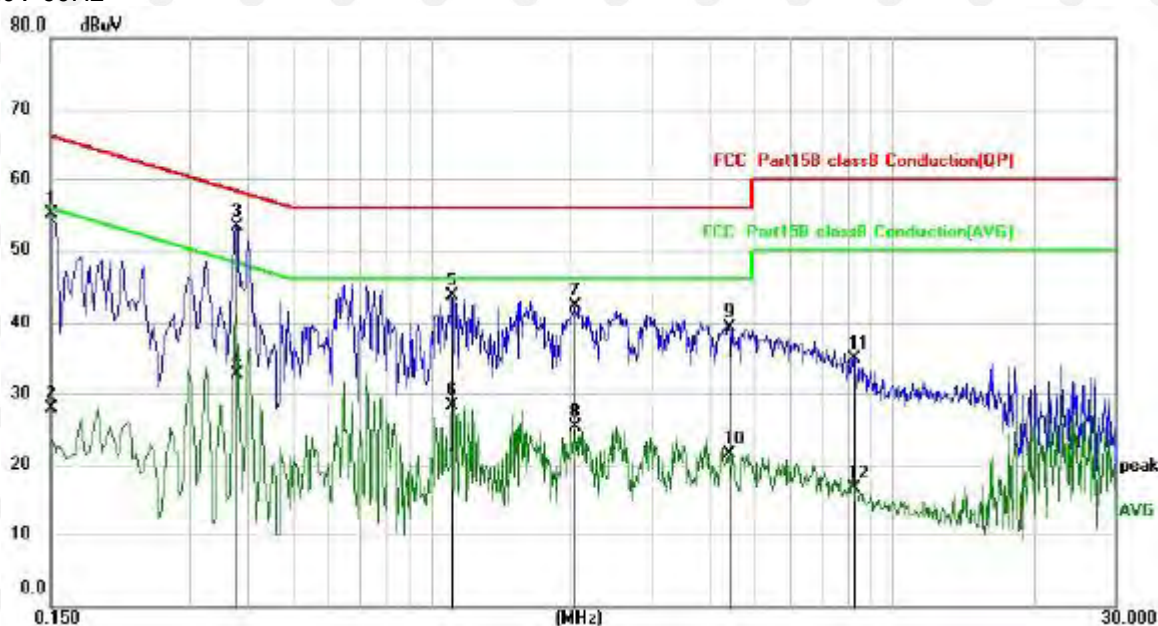
Test Specification: Line
AC 120V 60Hz



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	dBuV	Factor	ment	dBuV	dB	Detector
1		0.1620	45.99	9.70	55.69	65.36	-9.67	QP
2		0.1620	28.13	9.70	37.83	55.36	-17.53	AVG
3		0.3780	42.45	9.69	52.14	58.32	-6.18	QP
4		0.3780	29.67	9.69	39.36	48.32	-8.96	AVG
5	*	0.7300	40.38	9.72	50.10	56.00	-5.90	QP
6		0.7300	29.60	9.72	39.32	46.00	-6.68	AVG
7		2.0859	37.95	9.82	47.77	56.00	-8.23	QP
8		2.0859	25.69	9.82	35.51	46.00	-10.49	AVG
9		4.3338	35.92	9.91	45.83	56.00	-10.17	QP
10		4.3338	23.49	9.91	33.40	46.00	-12.60	AVG
11		9.3419	34.71	10.14	44.85	60.00	-15.15	QP
12		9.3419	15.46	10.14	25.60	50.00	-24.40	AVG

Remark: Factor = Cable loss + LISN factor, Margin = Measurement – Limit

Test Specification: Neutral
AC 120V 60Hz



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV	dBuV	dB	
1		0.1500	45.37	9.70	55.07	66.00	-10.93	QP
2		0.1500	18.26	9.70	27.96	56.00	-28.04	AVG
3	*	0.3780	43.59	9.69	53.28	58.32	-5.04	QP
4		0.3780	22.93	9.69	32.62	48.32	-15.70	AVG
5		1.1060	33.65	9.77	43.42	56.00	-12.58	QP
6		1.1060	18.58	9.77	28.35	46.00	-17.65	AVG
7		2.0539	32.28	9.81	42.09	56.00	-13.91	QP
8		2.0539	15.56	9.81	25.37	46.00	-20.63	AVG
9		4.4300	29.38	9.92	39.30	56.00	-16.70	QP
10		4.4300	11.62	9.92	21.54	46.00	-24.46	AVG
11		8.2378	24.87	10.09	34.96	60.00	-25.04	QP
12		8.2378	6.67	10.09	16.76	50.00	-33.24	AVG

Remark: Factor = Cable loss + LISN factor, Margin = Measurement – Limit

7. RADIATED SPURIOUS EMISSION

7.1 Block Diagram Of Test Setup

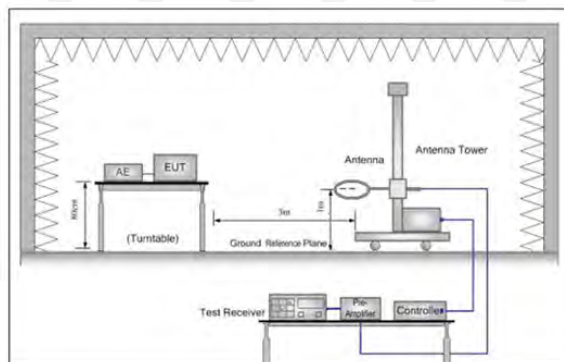


Figure 1. Below 30MHz

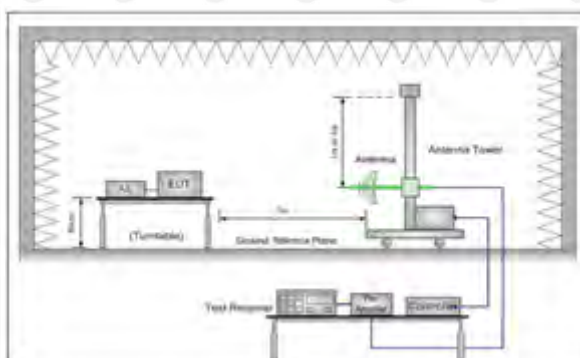


Figure 2. 30MHz to 1GHz

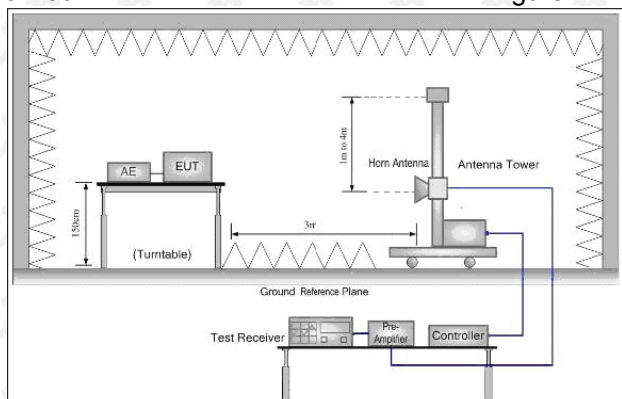


Figure 3. Above 1GHz

7.2 Limit

Spurious Emissions:

Frequency	Field strength (microvolt/meter)	Limit (dB μ V/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F (kHz)	-	-	300
0.490MHz-1.705MHz	24000/F (kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

7.3 Test procedure

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- Repeat above procedures until all frequencies measured was complete.

Receiver set:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30KHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30KHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120 kHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

7.4 Test Result

After pre-scanning three directions, the report recorded the worst case

Below 1GHz Test Results:

Antenna polarity: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		43.7352	30.41	-6.53	23.88	40.00	-16.12	QP
2		92.1388	28.81	-10.09	18.72	43.50	-24.78	QP
3		147.9214	33.60	-5.47	28.13	43.50	-15.37	QP
4		261.5164	37.08	-7.27	29.81	46.00	-16.19	QP
5		405.3766	31.58	-2.50	29.08	46.00	-16.92	QP
6	*	775.5169	29.70	5.31	35.01	46.00	-10.99	QP

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: V



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			
			dBuV	dB	dBuV/m	dB/m	dB	Detector
1		43.7352	36.18	-6.53	29.65	40.00	-10.35	QP
2		142.8243	36.01	-5.50	30.51	43.50	-12.99	QP
3		278.0668	29.57	-6.50	23.07	46.00	-22.93	QP
4		431.0316	33.06	-1.81	31.25	46.00	-14.75	QP
5		555.7990	30.38	1.38	31.76	46.00	-14.24	QP
6	*	782.3453	31.35	5.44	36.79	46.00	-9.21	QP

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

1. The margin of 9K-30MH measurement exceeds 20dB, so the test chart is not included.

2. All modes have been tested, and the test results show that ANT2 b-mode data is the worst, only ANT2 b-mode test chart is put.

Above 1 GHz Test Results:

ANT1 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.11	-3.64	62.47	74	-11.53	peak
4824	49.94	-3.64	46.30	54	-7.70	AVG
7236	56.76	-0.95	55.81	74	-18.19	peak
7236	43.90	-0.95	42.95	54	-11.05	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.50	-3.64	62.86	74	-11.14	peak
4824	47.70	-3.64	44.06	54	-9.94	AVG
7236	56.14	-0.95	55.19	74	-18.81	peak
7236	43.92	-0.95	42.97	54	-11.03	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.68	-3.51	62.17	74	-11.83	peak
4874	49.03	-3.51	45.52	54	-8.48	AVG
7311	58.34	-0.82	57.52	74	-16.48	peak
7311	43.60	-0.82	42.78	54	-11.22	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.55	-3.51	62.04	74	-11.96	peak
4874	49.41	-3.51	45.90	54	-8.10	AVG
7311	59.00	-0.82	58.18	74	-15.82	peak
7311	42.80	-0.82	41.98	54	-12.02	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT1 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.83	-3.43	60.40	74	-13.60	peak
4924	47.43	-3.43	44.00	54	-10.00	AVG
7386	58.18	-0.75	57.43	74	-16.57	peak
7386	45.00	-0.75	44.25	54	-9.75	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.38	-3.43	59.95	74	-14.05	peak
4924	46.76	-3.43	43.33	54	-10.67	AVG
7386	56.91	-0.75	56.16	74	-17.84	peak
7386	43.33	-0.75	42.58	54	-11.42	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT1 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	65.20	-3.64	61.56	74	-12.44	peak
4824	49.47	-3.64	45.83	54	-8.17	AVG
7236	58.32	-0.95	57.37	74	-16.63	peak
7236	45.24	-0.95	44.29	54	-9.71	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	64.43	-3.64	60.79	74	-13.21	peak
4824	47.68	-3.64	44.04	54	-9.96	AVG
7236	59.00	-0.95	58.05	74	-15.95	peak
7236	44.55	-0.95	43.60	54	-10.40	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT1 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.47	-3.51	60.96	74	-13.04	peak
4874	49.68	-3.51	46.17	54	-7.83	AVG
7311	58.58	-0.82	57.76	74	-16.24	peak
7311	44.22	-0.82	43.40	54	-10.60	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.25	-3.51	60.74	74	-13.26	peak
4874	47.12	-3.51	43.61	54	-10.39	AVG
7311	59.86	-0.82	59.04	74	-14.96	peak
7311	44.49	-0.82	43.67	54	-10.33	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT1 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.50	-3.43	59.07	74	-14.93	peak
4924	45.92	-3.43	42.49	54	-11.51	AVG
7386	59.21	-0.75	58.46	74	-15.54	peak
7386	42.75	-0.75	42.00	54	-12.00	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.12	-3.43	60.69	74	-13.31	peak
4924	47.74	-3.43	44.31	54	-9.69	AVG
7386	57.07	-0.75	56.32	74	-17.68	peak
7386	43.94	-0.75	43.19	54	-10.81	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT2 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.90	-3.64	60.26	74	-13.74	peak
4824	49.79	-3.64	46.15	54	-7.85	AVG
7236	59.06	-0.95	58.11	74	-15.89	peak
7236	45.53	-0.95	44.58	54	-9.42	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.81	-3.64	61.17	74	-12.83	peak
4824	48.18	-3.64	44.54	54	-9.46	AVG
7236	56.06	-0.95	55.11	74	-18.89	peak
7236	43.27	-0.95	42.32	54	-11.68	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT2 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.28	-3.51	61.77	74	-12.23	peak
4874	49.81	-3.51	46.30	54	-7.70	AVG
7311	58.34	-0.82	57.52	74	-16.48	peak
7311	43.19	-0.82	42.37	54	-11.63	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.47	-3.51	60.96	74	-13.04	peak
4874	48.94	-3.51	45.43	54	-8.57	AVG
7311	59.63	-0.82	58.81	74	-15.19	peak
7311	44.60	-0.82	43.78	54	-10.22	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT2 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.41	-3.43	59.98	74	-14.02	peak
4924	45.87	-3.43	42.44	54	-11.56	AVG
7386	58.12	-0.75	57.37	74	-16.63	peak
7386	43.30	-0.75	42.55	54	-11.45	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.84	-3.43	59.41	74	-14.59	peak
4924	48.44	-3.43	45.01	54	-8.99	AVG
7386	57.86	-0.75	57.11	74	-16.89	peak
7386	41.61	-0.75	40.86	54	-13.14	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT2 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.82	-3.64	60.18	74	-13.82	peak
4824	48.89	-3.64	45.25	54	-8.75	AVG
7236	57.31	-0.95	56.36	74	-17.64	peak
7236	45.16	-0.95	44.21	54	-9.79	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	67.22	-3.64	63.58	74	-10.42	peak
4824	48.31	-3.64	44.67	54	-9.33	AVG
7236	58.33	-0.95	57.38	74	-16.62	peak
7236	44.40	-0.95	43.45	54	-10.55	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT2 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.96	-3.51	62.45	74	-11.55	peak
4874	48.42	-3.51	44.91	54	-9.09	AVG
7311	60.36	-0.82	59.54	74	-14.46	peak
7311	44.32	-0.82	43.50	54	-10.50	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.52	-3.51	60.01	74	-13.99	peak
4874	46.62	-3.51	43.11	54	-10.89	AVG
7311	60.30	-0.82	59.48	74	-14.52	peak
7311	42.97	-0.82	42.15	54	-11.85	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT2 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.48	-3.43	59.05	74	-14.95	peak
4924	48.14	-3.43	44.71	54	-9.29	AVG
7386	57.62	-0.75	56.87	74	-17.13	peak
7386	45.13	-0.75	44.38	54	-9.62	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.96	-3.43	59.53	74	-14.47	peak
4924	46.55	-3.43	43.12	54	-10.88	AVG
7386	56.29	-0.75	55.54	74	-18.46	peak
7386	43.85	-0.75	43.10	54	-10.90	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT3 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.32	-3.64	62.68	74	-11.32	peak
4824	49.60	-3.64	45.96	54	-8.04	AVG
7236	57.53	-0.95	56.58	74	-17.42	peak
7236	44.94	-0.95	43.99	54	-10.01	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.58	-3.64	62.94	74	-11.06	peak
4824	47.42	-3.64	43.78	54	-10.22	AVG
7236	57.08	-0.95	56.13	74	-17.87	peak
7236	44.26	-0.95	43.31	54	-10.69	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT3 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.46	-3.51	59.95	74	-14.05	peak
4874	49.76	-3.51	46.25	54	-7.75	AVG
7311	59.41	-0.82	58.59	74	-15.41	peak
7311	43.30	-0.82	42.48	54	-11.52	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.08	-3.51	60.57	74	-13.43	peak
4874	47.85	-3.51	44.34	54	-9.66	AVG
7311	58.06	-0.82	57.24	74	-16.76	peak
7311	43.35	-0.82	42.53	54	-11.47	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT3 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.13	-3.43	58.70	74	-15.30	peak
4924	48.07	-3.43	44.64	54	-9.36	AVG
7386	60.03	-0.75	59.28	74	-14.72	peak
7386	43.37	-0.75	42.62	54	-11.38	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.76	-3.43	61.33	74	-12.67	peak
4924	48.53	-3.43	45.10	54	-8.90	AVG
7386	58.30	-0.75	57.55	74	-16.45	peak
7386	42.94	-0.75	42.19	54	-11.81	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT3 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	65.58	-3.64	61.94	74	-12.06	peak
4824	49.29	-3.64	45.65	54	-8.35	AVG
7236	58.19	-0.95	57.24	74	-16.76	peak
7236	46.20	-0.95	45.25	54	-8.75	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.10	-3.64	62.46	74	-11.54	peak
4824	49.03	-3.64	45.39	54	-8.61	AVG
7236	57.99	-0.95	57.04	74	-16.96	peak
7236	44.22	-0.95	43.27	54	-10.73	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT3 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.88	-3.51	62.37	74	-11.63	peak
4874	48.58	-3.51	45.07	54	-8.93	AVG
7311	60.37	-0.82	59.55	74	-14.45	peak
7311	45.12	-0.82	44.30	54	-9.70	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.79	-3.51	60.28	74	-13.72	peak
4874	48.35	-3.51	44.84	54	-9.16	AVG
7311	59.84	-0.82	59.02	74	-14.98	peak
7311	43.60	-0.82	42.78	54	-11.22	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT3 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.76	-3.43	61.33	74	-12.67	peak
4924	48.30	-3.43	44.87	54	-9.13	AVG
7386	59.47	-0.75	58.72	74	-15.28	peak
7386	43.36	-0.75	42.61	54	-11.39	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.07	-3.43	59.64	74	-14.36	peak
4924	46.99	-3.43	43.56	54	-10.44	AVG
7386	57.53	-0.75	56.78	74	-17.22	peak
7386	43.83	-0.75	43.08	54	-10.92	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT4 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.52	-3.64	60.88	74	-13.12	peak
4824	48.37	-3.64	44.73	54	-9.27	AVG
7236	58.12	-0.95	57.17	74	-16.83	peak
7236	46.75	-0.95	45.80	54	-8.20	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.96	-3.64	62.32	74	-11.68	peak
4824	48.87	-3.64	45.23	54	-8.77	AVG
7236	57.20	-0.95	56.25	74	-17.75	peak
7236	43.04	-0.95	42.09	54	-11.91	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT4 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.78	-3.51	61.27	74	-12.73	peak
4874	50.69	-3.51	47.18	54	-6.82	AVG
7311	58.91	-0.82	58.09	74	-15.91	peak
7311	45.50	-0.82	44.68	54	-9.32	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.38	-3.51	60.87	74	-13.13	peak
4874	47.19	-3.51	43.68	54	-10.32	AVG
7311	57.71	-0.82	56.89	74	-17.11	peak
7311	43.77	-0.82	42.95	54	-11.05	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT4 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.91	-3.43	59.48	74	-14.52	peak
4924	47.33	-3.43	43.90	54	-10.10	AVG
7386	59.60	-0.75	58.85	74	-15.15	peak
7386	44.23	-0.75	43.48	54	-10.52	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.94	-3.43	61.51	74	-12.49	peak
4924	45.84	-3.43	42.41	54	-11.59	AVG
7386	58.86	-0.75	58.11	74	-15.89	peak
7386	41.32	-0.75	40.57	54	-13.43	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT4 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	65.55	-3.64	61.91	74	-12.09	peak
4824	50.95	-3.64	47.31	54	-6.69	AVG
7236	58.44	-0.95	57.49	74	-16.51	peak
7236	44.15	-0.95	43.20	54	-10.80	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.10	-3.64	62.46	74	-11.54	peak
4824	46.90	-3.64	43.26	54	-10.74	AVG
7236	56.31	-0.95	55.36	74	-18.64	peak
7236	44.39	-0.95	43.44	54	-10.56	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT4 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.03	-3.51	60.52	74	-13.48	peak
4874	47.97	-3.51	44.46	54	-9.54	AVG
7311	60.25	-0.82	59.43	74	-14.57	peak
7311	45.65	-0.82	44.83	54	-9.17	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.60	-3.51	62.09	74	-11.91	peak
4874	47.23	-3.51	43.72	54	-10.28	AVG
7311	59.25	-0.82	58.43	74	-15.57	peak
7311	43.69	-0.82	42.87	54	-11.13	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT4 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.43	-3.43	61.00	74	-13.00	peak
4924	46.21	-3.43	42.78	54	-11.22	AVG
7386	60.10	-0.75	59.35	74	-14.65	peak
7386	42.65	-0.75	41.90	54	-12.10	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.98	-3.43	61.55	74	-12.45	peak
4924	46.82	-3.43	43.39	54	-10.61	AVG
7386	57.87	-0.75	57.12	74	-16.88	peak
7386	43.72	-0.75	42.97	54	-11.03	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT5 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.93	-3.64	61.29	74	-12.71	peak
4824	50.88	-3.64	47.24	54	-6.76	AVG
7236	59.14	-0.95	58.19	74	-15.81	peak
7236	46.21	-0.95	45.26	54	-8.74	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.41	-3.64	62.77	74	-11.23	peak
4824	49.71	-3.64	46.07	54	-7.93	AVG
7236	57.94	-0.95	56.99	74	-17.01	peak
7236	44.80	-0.95	43.85	54	-10.15	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT5 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	66.01	-3.51	62.50	74	-11.50	peak
4874	50.35	-3.51	46.84	54	-7.16	AVG
7311	58.58	-0.82	57.76	74	-16.24	peak
7311	44.38	-0.82	43.56	54	-10.44	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.13	-3.51	60.62	74	-13.38	peak
4874	49.21	-3.51	45.70	54	-8.30	AVG
7311	57.90	-0.82	57.08	74	-16.92	peak
7311	43.91	-0.82	43.09	54	-10.91	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT5 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.49	-3.43	59.06	74	-14.94	peak
4924	46.85	-3.43	43.42	54	-10.58	AVG
7386	57.74	-0.75	56.99	74	-17.01	peak
7386	45.07	-0.75	44.32	54	-9.68	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.84	-3.43	59.41	74	-14.59	peak
4924	48.65	-3.43	45.22	54	-8.78	AVG
7386	58.72	-0.75	57.97	74	-16.03	peak
7386	42.11	-0.75	41.36	54	-12.64	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT5 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.94	-3.64	60.30	74	-13.70	peak
4824	50.70	-3.64	47.06	54	-6.94	AVG
7236	57.84	-0.95	56.89	74	-17.11	peak
7236	45.97	-0.95	45.02	54	-8.98	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.40	-3.64	60.76	74	-13.24	peak
4824	49.66	-3.64	46.02	54	-7.98	AVG
7236	56.32	-0.95	55.37	74	-18.63	peak
7236	43.82	-0.95	42.87	54	-11.13	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT5 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.91	-3.51	61.40	74	-12.60	peak
4874	48.11	-3.51	44.60	54	-9.40	AVG
7311	58.12	-0.82	57.30	74	-16.70	peak
7311	44.61	-0.82	43.79	54	-10.21	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.96	-3.51	60.45	74	-13.55	peak
4874	49.19	-3.51	45.68	54	-8.32	AVG
7311	58.78	-0.82	57.96	74	-16.04	peak
7311	42.31	-0.82	41.49	54	-12.51	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT5 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.25	-3.43	60.82	74	-13.18	peak
4924	46.09	-3.43	42.66	54	-11.34	AVG
7386	59.92	-0.75	59.17	74	-14.83	peak
7386	44.90	-0.75	44.15	54	-9.85	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	65.10	-3.43	61.67	74	-12.33	peak
4924	45.86	-3.43	42.43	54	-11.57	AVG
7386	57.79	-0.75	57.04	74	-16.96	peak
7386	41.82	-0.75	41.07	54	-12.93	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT6 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	64.20	-3.64	60.56	74	-13.44	peak
4824	50.41	-3.64	46.77	54	-7.23	AVG
7236	59.52	-0.95	58.57	74	-15.43	peak
7236	44.58	-0.95	43.63	54	-10.37	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	67.05	-3.64	63.41	74	-10.59	peak
4824	46.78	-3.64	43.14	54	-10.86	AVG
7236	58.87	-0.95	57.92	74	-16.08	peak
7236	44.17	-0.95	43.22	54	-10.78	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT6 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	66.36	-3.51	62.85	74	-11.15	peak
4874	50.16	-3.51	46.65	54	-7.35	AVG
7311	57.90	-0.82	57.08	74	-16.92	peak
7311	45.01	-0.82	44.19	54	-9.81	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.43	-3.51	61.92	74	-12.08	peak
4874	49.34	-3.51	45.83	54	-8.17	AVG
7311	59.55	-0.82	58.73	74	-15.27	peak
7311	44.50	-0.82	43.68	54	-10.32	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT6 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.93	-3.43	59.50	74	-14.50	peak
4924	48.60	-3.43	45.17	54	-8.83	AVG
7386	58.17	-0.75	57.42	74	-16.58	peak
7386	42.51	-0.75	41.76	54	-12.24	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.59	-3.43	59.16	74	-14.84	peak
4924	47.11	-3.43	43.68	54	-10.32	AVG
7386	58.29	-0.75	57.54	74	-16.46	peak
7386	42.07	-0.75	41.32	54	-12.68	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT6 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.56	-3.64	61.92	74	-12.08	peak
4824	49.14	-3.64	45.50	54	-8.50	AVG
7236	58.27	-0.95	57.32	74	-16.68	peak
7236	45.70	-0.95	44.75	54	-9.25	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.83	-3.64	63.19	74	-10.81	peak
4824	49.26	-3.64	45.62	54	-8.38	AVG
7236	56.72	-0.95	55.77	74	-18.23	peak
7236	44.06	-0.95	43.11	54	-10.89	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT6 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.18	-3.51	61.67	74	-12.33	peak
4874	48.74	-3.51	45.23	54	-8.77	AVG
7311	58.77	-0.82	57.95	74	-16.05	peak
7311	44.11	-0.82	43.29	54	-10.71	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.04	-3.51	60.53	74	-13.47	peak
4874	47.19	-3.51	43.68	54	-10.32	AVG
7311	58.44	-0.82	57.62	74	-16.38	peak
7311	43.40	-0.82	42.58	54	-11.42	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT6 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.87	-3.43	61.44	74	-12.56	peak
4924	46.49	-3.43	43.06	54	-10.94	AVG
7386	59.16	-0.75	58.41	74	-15.59	peak
7386	43.84	-0.75	43.09	54	-10.91	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.74	-3.43	61.31	74	-12.69	peak
4924	46.63	-3.43	43.20	54	-10.80	AVG
7386	59.20	-0.75	58.45	74	-15.55	peak
7386	42.00	-0.75	41.25	54	-12.75	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT7 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.02	-3.64	60.38	74	-13.62	peak
4824	48.84	-3.64	45.20	54	-8.80	AVG
7236	57.69	-0.95	56.74	74	-17.26	peak
7236	44.37	-0.95	43.42	54	-10.58	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.95	-3.64	61.31	74	-12.69	peak
4824	48.79	-3.64	45.15	54	-8.85	AVG
7236	58.48	-0.95	57.53	74	-16.47	peak
7236	45.39	-0.95	44.44	54	-9.56	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT7 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.35	-3.51	60.84	74	-13.16	peak
4874	48.88	-3.51	45.37	54	-8.63	AVG
7311	59.26	-0.82	58.44	74	-15.56	peak
7311	44.32	-0.82	43.50	54	-10.50	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.72	-3.51	61.21	74	-12.79	peak
4874	48.24	-3.51	44.73	54	-9.27	AVG
7311	58.62	-0.82	57.80	74	-16.20	peak
7311	43.90	-0.82	43.08	54	-10.92	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT7 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.81	-3.43	61.38	74	-12.62	peak
4924	47.74	-3.43	44.31	54	-9.69	AVG
7386	58.79	-0.75	58.04	74	-15.96	peak
7386	43.34	-0.75	42.59	54	-11.41	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.89	-3.43	59.46	74	-14.54	peak
4924	48.09	-3.43	44.66	54	-9.34	AVG
7386	57.17	-0.75	56.42	74	-17.58	peak
7386	42.74	-0.75	41.99	54	-12.01	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT7 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.94	-3.64	60.30	74	-13.70	peak
4824	50.88	-3.64	47.24	54	-6.76	AVG
7236	57.66	-0.95	56.71	74	-17.29	peak
7236	46.17	-0.95	45.22	54	-8.78	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.41	-3.64	61.77	74	-12.23	peak
4824	48.15	-3.64	44.51	54	-9.49	AVG
7236	56.85	-0.95	55.90	74	-18.10	peak
7236	44.31	-0.95	43.36	54	-10.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT7 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	66.02	-3.51	62.51	74	-11.49	peak
4874	49.66	-3.51	46.15	54	-7.85	AVG
7311	59.46	-0.82	58.64	74	-15.36	peak
7311	45.06	-0.82	44.24	54	-9.76	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.61	-3.51	61.10	74	-12.90	peak
4874	48.60	-3.51	45.09	54	-8.91	AVG
7311	58.36	-0.82	58.48	74	-15.52	peak
7311	43.83	-0.82	43.01	54	-10.99	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT7 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.81	-3.43	59.38	74	-14.62	peak
4924	47.63	-3.43	44.20	54	-9.80	AVG
7386	59.26	-0.75	58.51	74	-15.49	peak
7386	44.38	-0.75	43.63	54	-10.37	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.04	-3.43	59.61	74	-14.39	peak
4924	46.28	-3.43	42.85	54	-11.15	AVG
7386	57.58	-0.75	56.83	74	-17.17	peak
7386	43.27	-0.75	42.52	54	-11.48	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT8 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.88	-3.64	61.24	74	-12.76	peak
4824	48.45	-3.64	44.81	54	-9.19	AVG
7236	59.45	-0.95	58.50	74	-15.50	peak
7236	45.20	-0.95	44.25	54	-9.75	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.64	-3.64	62.00	74	-12.00	peak
4824	48.53	-3.64	44.89	54	-9.11	AVG
7236	56.23	-0.95	55.28	74	-18.72	peak
7236	43.81	-0.95	42.86	54	-11.14	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT8 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.72	-3.51	62.21	74	-11.79	peak
4874	50.77	-3.51	47.26	54	-6.74	AVG
7311	60.23	-0.82	59.41	74	-14.59	peak
7311	44.51	-0.82	43.69	54	-10.31	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.88	-3.51	61.37	74	-12.63	peak
4874	47.78	-3.51	44.27	54	-9.73	AVG
7311	58.62	-0.82	57.80	74	-16.20	peak
7311	43.09	-0.82	42.27	54	-11.73	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT8 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.50	-3.43	59.07	74	-14.93	peak
4924	47.89	-3.43	44.46	54	-9.54	AVG
7386	59.69	-0.75	58.94	74	-15.06	peak
7386	42.38	-0.75	41.63	54	-12.37	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.39	-3.43	60.96	74	-13.04	peak
4924	46.74	-3.43	43.31	54	-10.69	AVG
7386	57.52	-0.75	56.77	74	-17.23	peak
7386	43.80	-0.75	43.05	54	-10.95	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT8 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.08	-3.64	62.44	74	-11.56	peak
4824	48.49	-3.64	44.85	54	-9.15	AVG
7236	59.13	-0.95	58.18	74	-15.82	peak
7236	45.29	-0.95	44.34	54	-9.66	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.36	-3.64	62.72	74	-11.28	peak
4824	48.38	-3.64	44.74	54	-9.26	AVG
7236	56.46	-0.95	55.51	74	-18.49	peak
7236	44.12	-0.95	43.17	54	-10.83	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT8 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.27	-3.51	61.76	74	-12.24	peak
4874	50.03	-3.51	46.52	54	-7.48	AVG
7311	59.18	-0.82	58.36	74	-15.64	peak
7311	43.12	-0.82	42.30	54	-11.70	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	62.87	-3.51	59.36	74	-14.64	peak
4874	47.96	-3.51	44.45	54	-9.55	AVG
7311	59.23	-0.82	58.41	74	-15.59	peak
7311	44.98	-0.82	44.16	54	-9.84	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT8 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.86	-3.43	60.43	74	-13.57	peak
4924	45.84	-3.43	42.41	54	-11.59	AVG
7386	58.91	-0.75	58.16	74	-15.84	peak
7386	42.55	-0.75	41.80	54	-12.20	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.43	-3.43	60.00	74	-14.00	peak
4924	46.80	-3.43	43.37	54	-10.63	AVG
7386	57.78	-0.75	57.03	74	-16.97	peak
7386	42.82	-0.75	42.07	54	-11.93	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT9 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.16	-3.64	60.52	74	-13.48	peak
4824	50.51	-3.64	46.87	54	-7.13	AVG
7236	58.39	-0.95	57.44	74	-16.56	peak
7236	44.96	-0.95	44.01	54	-9.99	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	67.28	-3.64	63.64	74	-10.36	peak
4824	49.71	-3.64	46.07	54	-7.93	AVG
7236	56.06	-0.95	55.11	74	-18.89	peak
7236	43.66	-0.95	42.71	54	-11.29	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT9 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	66.06	-3.51	62.55	74	-11.45	peak
4874	49.30	-3.51	45.79	54	-8.21	AVG
7311	57.92	-0.82	57.10	74	-16.90	peak
7311	44.99	-0.82	44.17	54	-9.83	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.99	-3.51	61.48	74	-12.52	peak
4874	49.28	-3.51	45.77	54	-8.23	AVG
7311	57.65	-0.82	56.83	74	-17.17	peak
7311	42.23	-0.82	41.41	54	-12.59	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT9 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.30	-3.43	58.87	74	-15.13	peak
4924	46.32	-3.43	42.89	54	-11.11	AVG
7386	58.29	-0.75	57.54	74	-16.46	peak
7386	43.33	-0.75	42.58	54	-11.42	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.99	-3.43	61.56	74	-12.44	peak
4924	47.37	-3.43	43.94	54	-10.06	AVG
7386	57.29	-0.75	56.54	74	-17.46	peak
7386	42.58	-0.75	41.83	54	-12.17	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT9 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	63.66	-3.64	60.02	74	-13.98	peak
4824	50.98	-3.64	47.34	54	-6.66	AVG
7236	58.32	-0.95	57.37	74	-16.63	peak
7236	44.95	-0.95	44.00	54	-10.00	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.02	-3.64	61.38	74	-12.62	peak
4824	47.68	-3.64	44.04	54	-9.96	AVG
7236	56.31	-0.95	55.36	74	-18.64	peak
7236	43.74	-0.95	42.79	54	-11.21	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT9 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	66.37	-3.51	62.86	74	-11.14	peak
4874	49.76	-3.51	46.25	54	-7.75	AVG
7311	58.78	-0.82	57.96	74	-16.04	peak
7311	43.51	-0.82	42.69	54	-11.31	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.67	-3.51	61.16	74	-12.84	peak
4874	47.89	-3.51	44.38	54	-9.62	AVG
7311	58.23	-0.82	57.41	74	-16.59	peak
7311	44.07	-0.82	43.25	54	-10.75	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT9 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.30	-3.43	58.87	74	-15.13	peak
4924	46.49	-3.43	43.06	54	-10.94	AVG
7386	57.88	-0.75	57.13	74	-16.87	peak
7386	42.82	-0.75	42.07	54	-11.93	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.63	-3.43	59.20	74	-14.80	peak
4924	48.68	-3.43	45.25	54	-8.75	AVG
7386	57.31	-0.75	56.56	74	-17.44	peak
7386	41.99	-0.75	41.24	54	-12.76	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT10 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.04	-3.64	62.40	74	-11.60	peak
4824	48.53	-3.64	44.89	54	-9.11	AVG
7236	58.78	-0.95	57.83	74	-16.17	peak
7236	45.38	-0.95	44.43	54	-9.57	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.37	-3.64	60.73	74	-13.27	peak
4824	48.55	-3.64	44.91	54	-9.09	AVG
7236	56.43	-0.95	55.48	74	-18.52	peak
7236	45.80	-0.95	44.85	54	-9.15	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT10 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.72	-3.51	60.21	74	-13.79	peak
4874	49.69	-3.51	46.18	54	-7.82	AVG
7311	58.94	-0.82	58.12	74	-15.88	peak
7311	44.43	-0.82	43.61	54	-10.39	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.26	-3.51	59.75	74	-14.25	peak
4874	47.11	-3.51	43.60	54	-10.40	AVG
7311	58.67	-0.82	57.85	74	-16.15	peak
7311	44.55	-0.82	43.73	54	-10.27	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT10 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.52	-3.43	59.09	74	-14.91	peak
4924	47.31	-3.43	43.88	54	-10.12	AVG
7386	57.80	-0.75	57.05	74	-16.95	peak
7386	44.20	-0.75	43.45	54	-10.55	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	63.37	-3.43	59.94	74	-14.06	peak
4924	46.46	-3.43	43.03	54	-10.97	AVG
7386	58.90	-0.75	58.15	74	-15.85	peak
7386	42.78	-0.75	42.03	54	-11.97	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT10 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.58	-3.64	61.94	74	-12.06	peak
4824	49.68	-3.64	46.04	54	-7.96	AVG
7236	57.66	-0.95	56.71	74	-17.29	peak
7236	44.63	-0.95	43.68	54	-10.32	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.35	-3.64	61.71	74	-12.29	peak
4824	49.50	-3.64	45.86	54	-8.14	AVG
7236	58.31	-0.95	57.36	74	-16.64	peak
7236	43.55	-0.95	42.60	54	-11.40	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT10 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.69	-3.51	61.18	74	-12.82	peak
4874	50.71	-3.51	47.20	54	-6.80	AVG
7311	58.33	-0.82	57.51	74	-16.49	peak
7311	45.56	-0.82	44.74	54	-9.26	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.38	-3.51	59.87	74	-14.13	peak
4874	47.84	-3.51	44.33	54	-9.67	AVG
7311	58.78	-0.82	57.96	74	-16.04	peak
7311	43.58	-0.82	42.76	54	-11.24	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT10 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.06	-3.43	58.63	74	-15.37	peak
4924	46.49	-3.43	43.06	54	-10.94	AVG
7386	57.78	-0.75	57.03	74	-16.97	peak
7386	42.74	-0.75	41.99	54	-12.01	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.05	-3.43	60.62	74	-13.38	peak
4924	47.48	-3.43	44.05	54	-9.95	AVG
7386	56.92	-0.75	56.17	74	-17.83	peak
7386	42.95	-0.75	42.20	54	-11.80	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT11 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.25	-3.64	62.61	74	-11.39	peak
4824	49.38	-3.64	45.74	54	-8.26	AVG
7236	59.14	-0.95	58.19	74	-15.81	peak
7236	44.92	-0.95	43.97	54	-10.03	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	67.03	-3.64	63.39	74	-10.61	peak
4824	49.50	-3.64	45.86	54	-8.14	AVG
7236	56.45	-0.95	55.50	74	-18.50	peak
7236	45.52	-0.95	44.57	54	-9.43	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT11 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.15	-3.51	61.64	74	-12.36	peak
4874	49.49	-3.51	45.98	54	-8.02	AVG
7311	59.77	-0.82	58.95	74	-15.05	peak
7311	43.69	-0.82	42.87	54	-11.13	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.24	-3.51	61.73	74	-12.27	peak
4874	47.53	-3.51	44.02	54	-9.98	AVG
7311	59.97	-0.82	59.15	74	-14.85	peak
7311	45.15	-0.82	44.33	54	-9.67	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT11 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.87	-3.43	61.44	74	-12.56	peak
4924	46.74	-3.43	43.31	54	-10.69	AVG
7386	57.61	-0.75	56.86	74	-17.14	peak
7386	45.02	-0.75	44.27	54	-9.73	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.95	-3.43	61.52	74	-12.48	peak
4924	47.59	-3.43	44.16	54	-9.84	AVG
7386	57.56	-0.75	56.81	74	-17.19	peak
7386	43.03	-0.75	42.28	54	-11.72	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT11 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.09	-3.64	60.45	74	-13.55	peak
4824	49.49	-3.64	45.85	54	-8.15	AVG
7236	58.37	-0.95	57.42	74	-16.58	peak
7236	44.49	-0.95	43.54	54	-10.46	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.06	-3.64	62.42	74	-11.58	peak
4824	46.87	-3.64	43.23	54	-10.77	AVG
7236	58.03	-0.95	57.08	74	-16.92	peak
7236	44.42	-0.95	43.47	54	-10.53	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT11 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.70	-3.51	62.19	74	-11.81	peak
4874	48.27	-3.51	44.76	54	-9.24	AVG
7311	58.16	-0.82	57.34	74	-16.66	peak
7311	45.68	-0.82	44.86	54	-9.14	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.43	-3.51	59.92	74	-14.08	peak
4874	48.65	-3.51	45.14	54	-8.86	AVG
7311	58.22	-0.82	57.40	74	-16.60	peak
7311	42.79	-0.82	41.97	54	-12.03	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT11 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.35	-3.43	60.92	74	-13.08	peak
4924	48.47	-3.43	45.04	54	-8.96	AVG
7386	58.63	-0.75	57.88	74	-16.12	peak
7386	43.60	-0.75	42.85	54	-11.15	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	65.25	-3.43	61.82	74	-12.18	peak
4924	47.62	-3.43	44.19	54	-9.81	AVG
7386	57.40	-0.75	56.65	74	-17.35	peak
7386	43.42	-0.75	42.67	54	-11.33	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT12 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.25	-3.64	62.61	74	-11.39	peak
4824	49.38	-3.64	45.74	54	-8.26	AVG
7236	59.14	-0.95	58.19	74	-15.81	peak
7236	44.92	-0.95	43.97	54	-10.03	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	67.03	-3.64	63.39	74	-10.61	peak
4824	49.50	-3.64	45.86	54	-8.14	AVG
7236	56.45	-0.95	55.50	74	-18.50	peak
7236	45.52	-0.95	44.57	54	-9.43	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT12 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.15	-3.51	61.64	74	-12.36	peak
4874	49.49	-3.51	45.98	54	-8.02	AVG
7311	59.77	-0.82	58.95	74	-15.05	peak
7311	43.69	-0.82	42.87	54	-11.13	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.24	-3.51	61.73	74	-12.27	peak
4874	47.53	-3.51	44.02	54	-9.98	AVG
7311	59.97	-0.82	59.15	74	-14.85	peak
7311	45.15	-0.82	44.33	54	-9.67	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT12 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.87	-3.43	61.44	74	-12.56	peak
4924	46.74	-3.43	43.31	54	-10.69	AVG
7386	57.61	-0.75	56.86	74	-17.14	peak
7386	45.02	-0.75	44.27	54	-9.73	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.95	-3.43	61.52	74	-12.48	peak
4924	47.59	-3.43	44.16	54	-9.84	AVG
7386	57.56	-0.75	56.81	74	-17.19	peak
7386	43.03	-0.75	42.28	54	-11.72	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT12 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.09	-3.64	60.45	74	-13.55	peak
4824	49.49	-3.64	45.85	54	-8.15	AVG
7236	58.37	-0.95	57.42	74	-16.58	peak
7236	44.49	-0.95	43.54	54	-10.46	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.06	-3.64	62.42	74	-11.58	peak
4824	46.87	-3.64	43.23	54	-10.77	AVG
7236	58.03	-0.95	57.08	74	-16.92	peak
7236	44.42	-0.95	43.47	54	-10.53	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT12 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.70	-3.51	62.19	74	-11.81	peak
4874	48.27	-3.51	44.76	54	-9.24	AVG
7311	58.16	-0.82	57.34	74	-16.66	peak
7311	45.68	-0.82	44.86	54	-9.14	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	63.43	-3.51	59.92	74	-14.08	peak
4874	48.65	-3.51	45.14	54	-8.86	AVG
7311	58.22	-0.82	57.40	74	-16.60	peak
7311	42.79	-0.82	41.97	54	-12.03	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT12 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.35	-3.43	60.92	74	-13.08	peak
4924	48.47	-3.43	45.04	54	-8.96	AVG
7386	58.63	-0.75	57.88	74	-16.12	peak
7386	43.60	-0.75	42.85	54	-11.15	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	65.25	-3.43	61.82	74	-12.18	peak
4924	47.62	-3.43	44.19	54	-9.81	AVG
7386	57.40	-0.75	56.65	74	-17.35	peak
7386	43.42	-0.75	42.67	54	-11.33	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

Above 1GHz ANT1+ANT2: (The worst data)

LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.72	-3.64	61.08	74	-12.92	peak
4824	48.37	-3.64	44.73	54	-9.27	AVG
7236	58.76	-0.95	57.81	74	-16.19	peak
7236	46.68	-0.95	45.73	54	-8.27	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.54	-3.64	61.90	74	-12.10	peak
4824	48.73	-3.64	45.09	54	-8.91	AVG
7236	58.50	-0.95	57.55	74	-16.45	peak
7236	43.97	-0.95	43.02	54	-10.98	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

LOW CH1 (802.11n/H20 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	65.88	-3.51	62.37	74	-11.63	peak
4874	49.21	-3.51	45.70	54	-8.30	AVG
7311	60.26	-0.82	59.44	74	-14.56	peak
7311	44.68	-0.82	43.86	54	-10.14	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4874	64.50	-3.51	60.99	74	-13.01	peak
4874	46.70	-3.51	43.19	54	-10.81	AVG
7311	58.65	-0.82	57.83	74	-16.17	peak
7311	43.30	-0.82	42.48	54	-11.52	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

LOW CH1 (802.11n/H20 Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.81	-3.43	59.38	74	-14.62	peak
4924	47.60	-3.43	44.17	54	-9.83	AVG
7386	58.36	-0.75	57.61	74	-16.39	peak
7386	43.57	-0.75	42.82	54	-11.18	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	62.56	-3.43	59.13	74	-14.87	peak
4924	47.25	-3.43	45.07	54	-8.93	AVG
7386	58.56	-0.75	57.81	74	-16.19	peak
7386	44.06	-0.75	43.31	54	-10.69	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

ANT1+ANT2 LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844	65.11	-3.63	61.48	74	-12.52	peak
4844	47.62	-3.63	43.99	54	-10.01	AVG
7266	58.86	-0.94	57.92	74	-16.08	peak
7266	46.44	-0.94	45.50	54	-8.50	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844	65.00	-3.63	61.37	74	-12.63	peak
4844	48.13	-3.63	44.50	54	-9.50	AVG
7266	59.83	-0.94	58.89	74	-15.11	peak
7266	43.97	-0.94	43.03	54	-10.97	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1+ANT2 MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	63.70	-3.51	60.19	74	-13.81	peak
4874	48.19	-3.51	44.68	54	-9.32	AVG
7311	60.99	-0.82	60.17	74	-13.83	peak
7311	45.44	-0.82	44.62	54	-9.38	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	62.30	-3.51	58.79	74	-15.21	peak
4874	46.49	-3.51	42.98	54	-11.02	AVG
7311	56.70	-0.82	55.88	74	-18.12	peak
7311	43.36	-0.82	42.54	54	-11.46	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT1+ANT2 HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904	62.97	-3.43	59.54	74	-14.46	peak
4904	47.39	-3.43	43.96	54	-10.04	AVG
7356	57.06	-0.75	56.31	74	-17.69	peak
7356	41.94	-0.75	41.19	54	-12.81	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904	62.95	-3.43	59.52	74	-14.48	peak
4904	47.03	-3.43	43.60	54	-10.40	AVG
7356	58.85	-0.75	58.10	74	-15.90	peak
7356	43.39	-0.75	42.64	54	-11.36	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

Restricted bands around fundamental frequency (Radiated)

Operation Mode:

ANT 1 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.81	-5.81	52.00	74	-22.00	peak
2390	/	-5.81	/	54	/	AVG
2399	64.90	-5.84	59.06	74	-14.94	peak
2399	48.95	-5.84	43.11	54	-10.89	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.02	-5.81	51.21	74	-22.79	peak
2390	/	-5.81	/	54	/	AVG
2399	62.08	-5.84	56.24	74	-17.76	peak
2399	46.19	-5.84	40.35	54	-13.65	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT1 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.03	-5.65	51.38	74	-22.62	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.45	-5.65	49.80	74	-24.20	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.01	-5.81	52.20	74	-21.80	peak
2390	/	-5.81	/	54	/	AVG
2399	62.19	-5.84	56.35	74	-17.65	peak
2399	47.01	-5.84	41.17	54	-12.83	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.23	-5.81	50.42	74	-23.58	peak
2390	/	-5.81	/	54	/	AVG
2399	61.60	-5.84	55.76	74	-18.24	peak
2399	46.82	-5.84	40.98	54	-13.02	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT1 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.81	-5.65	52.16	74	-21.84	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.87	-5.65	52.22	74	-21.78	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 2 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.47	-5.81	51.66	74	-22.34	peak
2390	/	-5.81	/	54	/	AVG
2399	64.92	-5.84	59.08	74	-14.92	peak
2399	48.80	-5.84	42.96	54	-11.04	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.39	-5.81	50.58	74	-23.42	peak
2390	/	-5.81	/	54	/	AVG
2399	62.86	-5.84	57.02	74	-16.98	peak
2399	46.69	-5.84	40.85	54	-13.15	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT2 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.74	-5.65	51.47	74	-22.53	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.93	-5.65	50.28	74	-23.72	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT2 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.83	-5.81	53.02	74	-20.98	peak
2390	/	-5.81	/	54	/	AVG
2399	62.57	-5.84	56.73	74	-17.27	peak
2399	46.09	-5.84	40.25	54	-13.75	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.13	-5.81	50.32	74	-23.68	peak
2390	/	-5.81	/	54	/	AVG
2399	62.61	-5.84	56.77	74	-17.23	peak
2399	46.56	-5.84	40.72	54	-13.28	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT2 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.72	-5.65	51.07	74	-22.93	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	58.11	-5.65	52.46	74	-21.54	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 3 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.11	-5.81	52.30	74	-21.70	peak
2390	/	-5.81	/	54	/	AVG
2399	64.91	-5.84	59.07	74	-14.93	peak
2399	49.49	-5.84	43.65	54	-10.35	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.37	-5.81	51.56	74	-22.44	peak
2390	/	-5.81	/	54	/	AVG
2399	63.20	-5.84	57.36	74	-16.64	peak
2399	45.92	-5.84	40.08	54	-13.92	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT3 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.34	-5.65	51.69	74	-22.31	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.76	-5.65	50.38	74	-23.62	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT3 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.95	-5.81	52.14	74	-21.86	peak
2390	/	-5.81	/	54	/	AVG
2399	62.50	-5.84	56.66	74	-17.34	peak
2399	46.42	-5.84	40.58	54	-13.42	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.45	-5.81	51.64	74	-22.36	peak
2390	/	-5.81	/	54	/	AVG
2399	61.91	-5.84	56.07	74	-17.93	peak
2399	46.05	-5.84	40.21	54	-13.79	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT3 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.32	-5.65	51.67	74	-22.33	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.42	-5.65	50.77	74	-23.23	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 4 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.99	-5.81	51.18	74	-22.82	peak
2390	/	-5.81	/	54	/	AVG
2399	64.49	-5.84	58.65	74	-15.35	peak
2399	48.80	-5.84	42.96	54	-11.04	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.81	-5.81	51.00	74	-23.00	peak
2390	/	-5.81	/	54	/	AVG
2399	62.92	-5.84	57.08	74	-16.92	peak
2399	47.74	-5.84	41.90	54	-12.10	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT4 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.50	-5.65	51.85	74	-22.15	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.94	-5.65	50.29	74	-23.71	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT4 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.69	-5.81	52.88	74	-21.12	peak
2390	/	-5.81	/	54	/	AVG
2399	61.91	-5.84	56.07	74	-17.93	peak
2399	45.65	-5.84	39.81	54	-14.19	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.34	-5.81	51.53	74	-22.47	peak
2390	/	-5.81	/	54	/	AVG
2399	61.97	-5.84	56.13	74	-17.87	peak
2399	45.54	-5.84	39.70	54	-14.30	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT4 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.16	-5.65	51.51	74	-22.49	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.26	-5.65	51.61	74	-22.39	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 5 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.10	-5.81	51.29	74	-22.71	peak
2390	/	-5.81	/	54	/	AVG
2399	63.44	-5.84	57.60	74	-16.40	peak
2399	48.66	-5.84	42.82	54	-11.18	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.77	-5.81	51.96	74	-22.04	peak
2390	/	-5.81	/	54	/	AVG
2399	63.28	-5.84	57.44	74	-16.56	peak
2399	46.03	-5.84	40.19	54	-13.81	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT5 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.43	-5.65	51.78	74	-22.22	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.17	-5.65	50.52	74	-23.48	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT5 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	59.66	-5.81	53.85	74	-20.15	peak
2390	/	-5.81	/	54	/	AVG
2399	62.72	-5.84	56.88	74	-17.12	peak
2399	46.46	-5.84	40.62	54	-13.38	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.76	-5.81	51.95	74	-22.05	peak
2390	/	-5.81	/	54	/	AVG
2399	62.62	-5.84	56.78	74	-17.22	peak
2399	45.28	-5.84	39.44	54	-14.56	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT5 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.45	-5.65	51.80	74	-22.20	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.89	-5.65	51.24	74	-22.76	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 6 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.28	-5.81	51.47	74	-22.53	peak
2390	/	-5.81	/	54	/	AVG
2399	65.12	-5.84	59.28	74	-14.72	peak
2399	49.78	-5.84	43.94	54	-10.06	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.11	-5.81	51.30	74	-22.70	peak
2390	/	-5.81	/	54	/	AVG
2399	61.77	-5.84	55.93	74	-18.07	peak
2399	46.39	-5.84	40.55	54	-13.45	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT6 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.54	-5.65	51.89	74	-22.11	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT6 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT6 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 7 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.43	-5.81	51.62	74	-22.38	peak
2390	/	-5.81	/	54	/	AVG
2399	63.47	-5.84	57.63	74	-16.37	peak
2399	47.21	-5.84	41.37	54	-12.63	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT7 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT7 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT7 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT8 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.72	-5.81	50.91	74	-23.09	peak
2390	/	-5.81	/	54	/	AVG
2399	62.61	-5.84	56.77	74	-17.23	peak
2399	47.26	-5.84	41.42	54	-12.58	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT8 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT8 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT8 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT9 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.43	-5.81	51.62	74	-22.38	peak
2390	/	-5.81	/	54	/	AVG
2399	63.47	-5.84	57.63	74	-16.37	peak
2399	47.21	-5.84	41.37	54	-12.63	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT9 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT9 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT9 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT10 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.43	-5.81	51.62	74	-22.38	peak
2390	/	-5.81	/	54	/	AVG
2399	63.47	-5.84	57.63	74	-16.37	peak
2399	47.21	-5.84	41.37	54	-12.63	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT10 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.15	-5.65	50.50	74	-23.50	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT10 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT10 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 11 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.43	-5.81	51.62	74	-22.38	peak
2390	/	-5.81	/	54	/	AVG
2399	63.47	-5.84	57.63	74	-16.37	peak
2399	47.21	-5.84	41.37	54	-12.63	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT11 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT11 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT11 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

ANT 12 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.14	-5.81	52.33	74	-21.67	peak
2390	/	-5.81	/	54	/	AVG
2399	64.28	-5.84	58.44	74	-15.56	peak
2399	48.98	-5.84	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.43	-5.81	51.62	74	-22.38	peak
2390	/	-5.81	/	54	/	AVG
2399	63.47	-5.84	57.63	74	-16.37	peak
2399	47.21	-5.84	41.37	54	-12.63	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT12 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.21	-5.65	51.56	74	-22.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.64	-5.65	50.99	74	-23.01	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT12 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.80	-5.81	52.99	74	-21.01	peak
2390	/	-5.81	/	54	/	AVG
2399	61.89	-5.84	56.05	74	-17.95	peak
2399	47.36	-5.84	41.52	54	-12.48	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.85	-5.81	52.04	74	-21.96	peak
2390	/	-5.81	/	54	/	AVG
2399	61.84	-5.84	56.00	74	-18.00	peak
2399	46.20	-5.84	40.36	54	-13.64	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT12 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.29	-5.65	51.64	74	-22.36	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.23	-5.65	50.58	74	-23.42	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11n/H20 Mode TX CH Low (2412MHz) (The worst data)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.01	-5.81	51.20	74	-22.80	peak
2390	/	-5.81	/	54	/	AVG
2399	63.93	-5.84	58.09	74	-15.91	peak
2399	48.35	-5.84	42.51	54	-11.49	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.71	-5.81	50.90	74	-23.10	peak
2390	/	-5.81	/	54	/	AVG
2399	59.95	-5.84	54.11	74	-19.89	peak
2399	48.10	-5.84	42.26	54	-11.74	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT1+ANT2 802.11n/H20 Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.45	-5.65	50.80	74	-23.20	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.40	-5.65	50.75	74	-23.25	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11n/H40 Mode TX CH Low (2422MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.90	-5.81	53.09	74	-20.91	peak
2390	/	-5.81	/	54	/	AVG
2399	62.37	-5.84	56.53	74	-17.47	peak
2399	46.68	-5.84	40.84	54	-13.16	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.90	-5.81	52.09	74	-21.91	peak
2390	/	-5.81	/	54	/	AVG
2399	60.35	-5.84	54.51	74	-19.49	peak
2399	46.48	-5.84	40.64	54	-13.36	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT1+ANT2 802.11n/H40 Mode TX CH High (2452MHz)

Horizontal

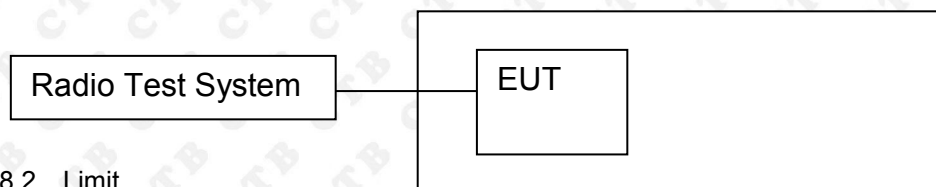
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.00	-5.65	51.35	74	-22.65	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.91	-5.65	50.26	74	-23.74	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

8. BAND EDGE AND RF CONDUCTED SPURIOUS EMISSIONS

8.1 Block Diagram Of Test Setup



8.2 Limit

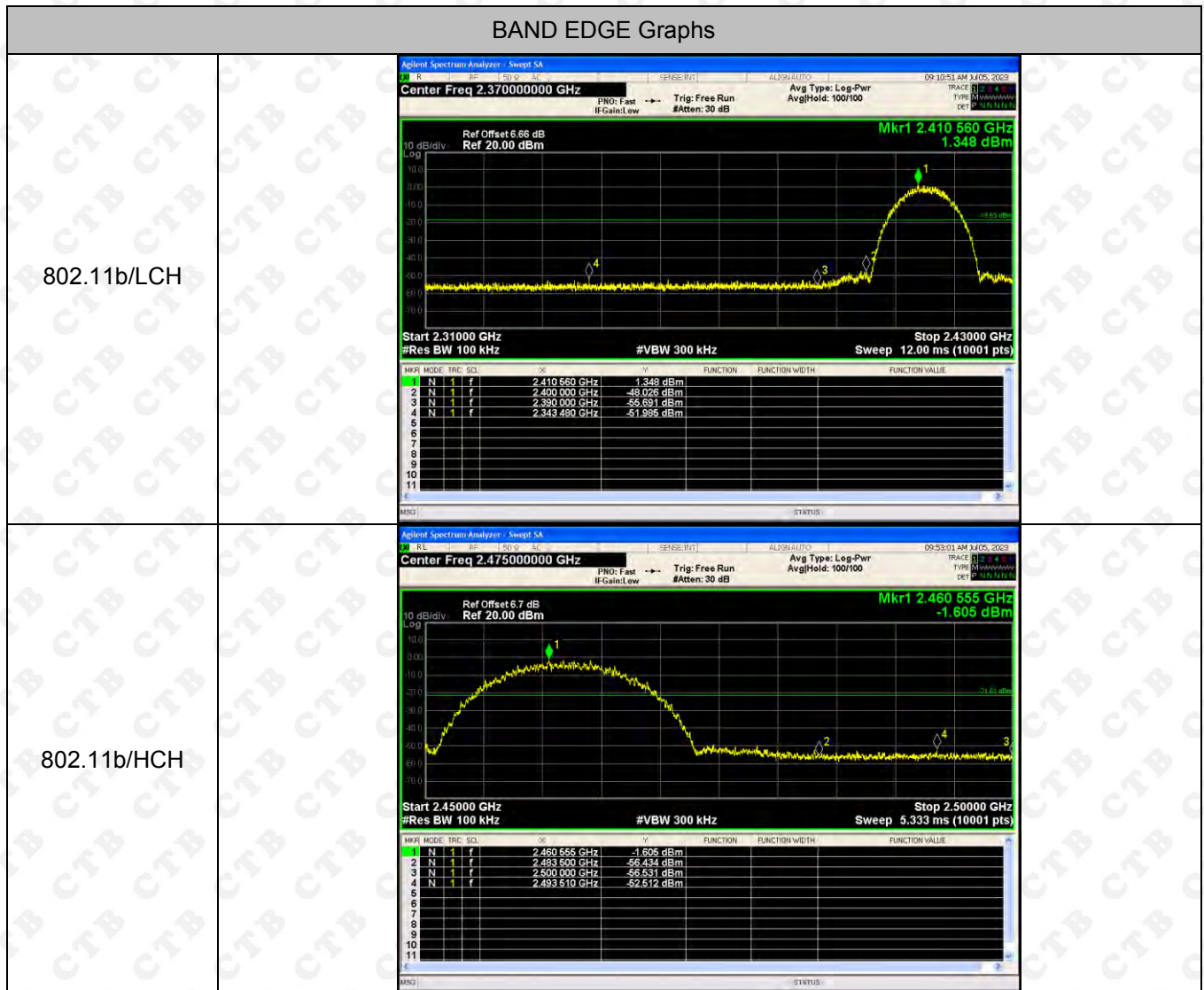
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

8.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:
Below 30MHz:
RBW = 100kHz, VBW = 300kHz, Sweep = auto
Detector function = peak, Trace = max hold
Above 30MHz:
RBW = 100KHz, VBW = 300KHz, Sweep = auto
Detector function = peak, Trace = max hold

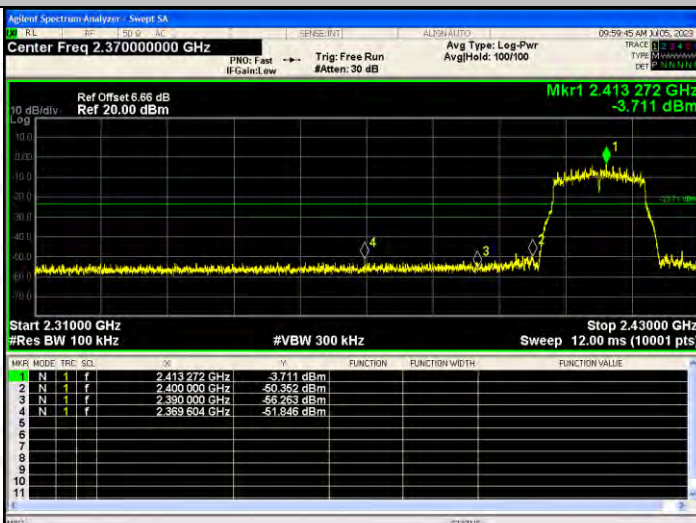
8.4 Test Result

ANT1:

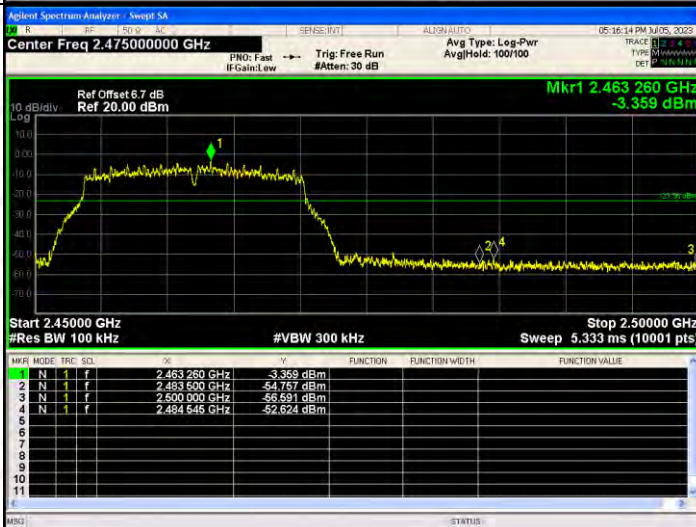


BAND EDGE Graphs

802.11g/LCH

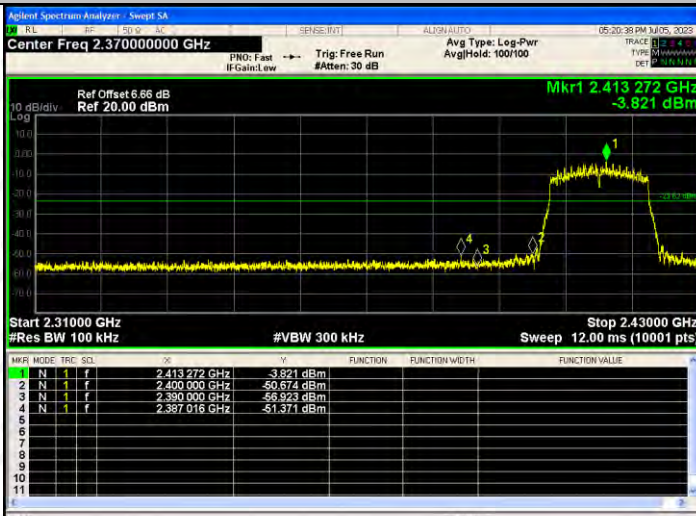


802.11g/HCH

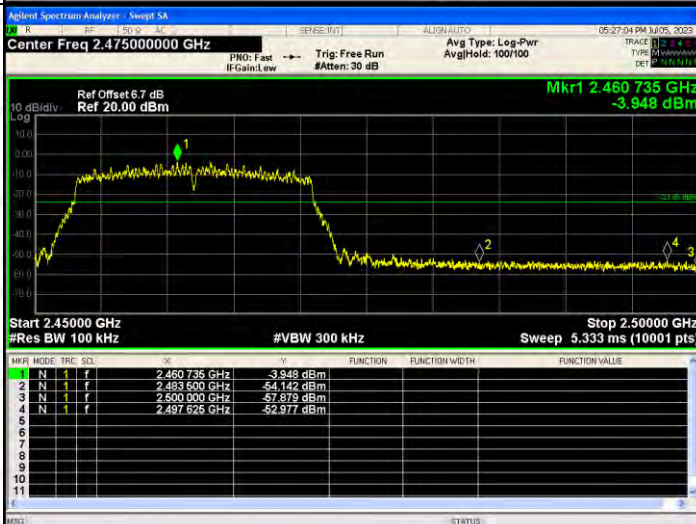


BAND EDGE Graphs

802.11n(HT20)/L
CH

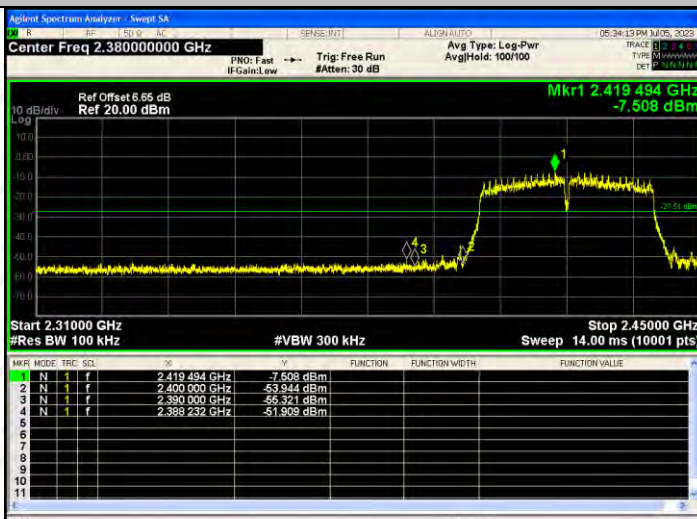


802.11n(HT20)/H
CH

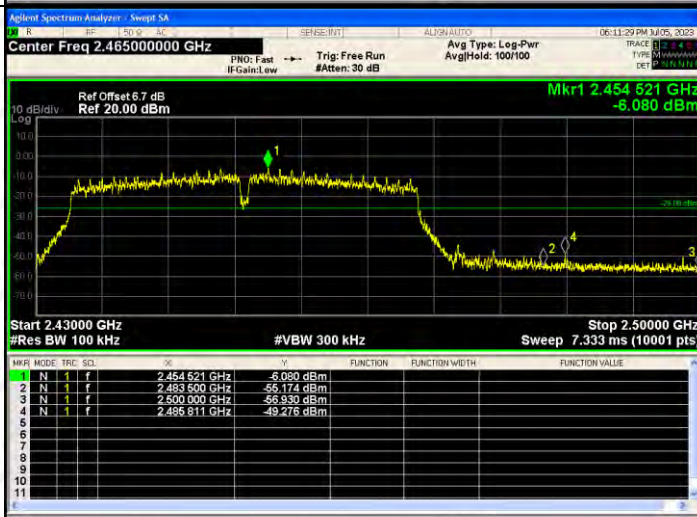


BAND EDGE Graphs

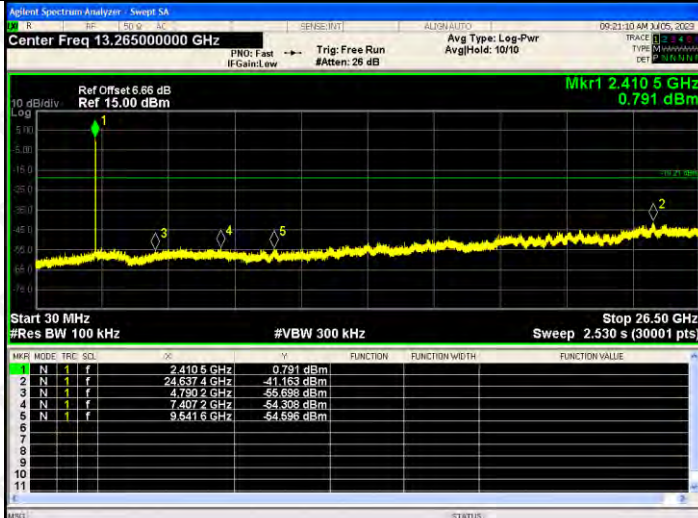
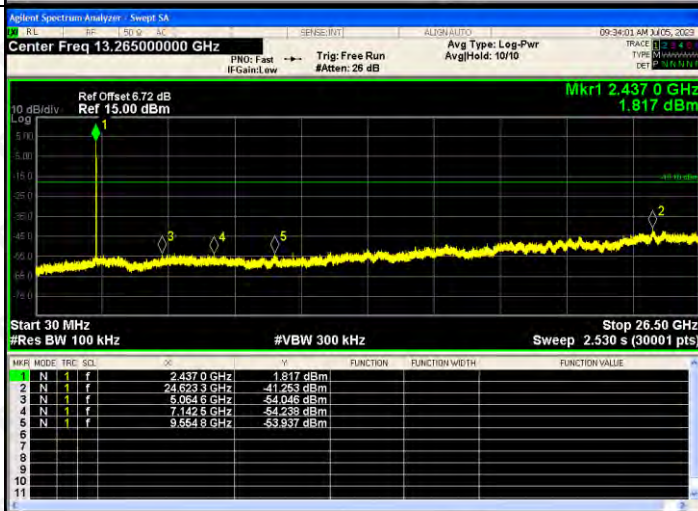
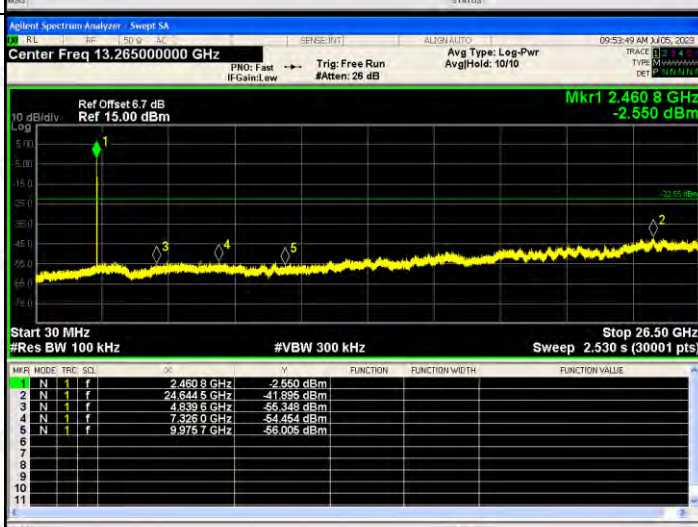
802.11n(HT40)/L
CH



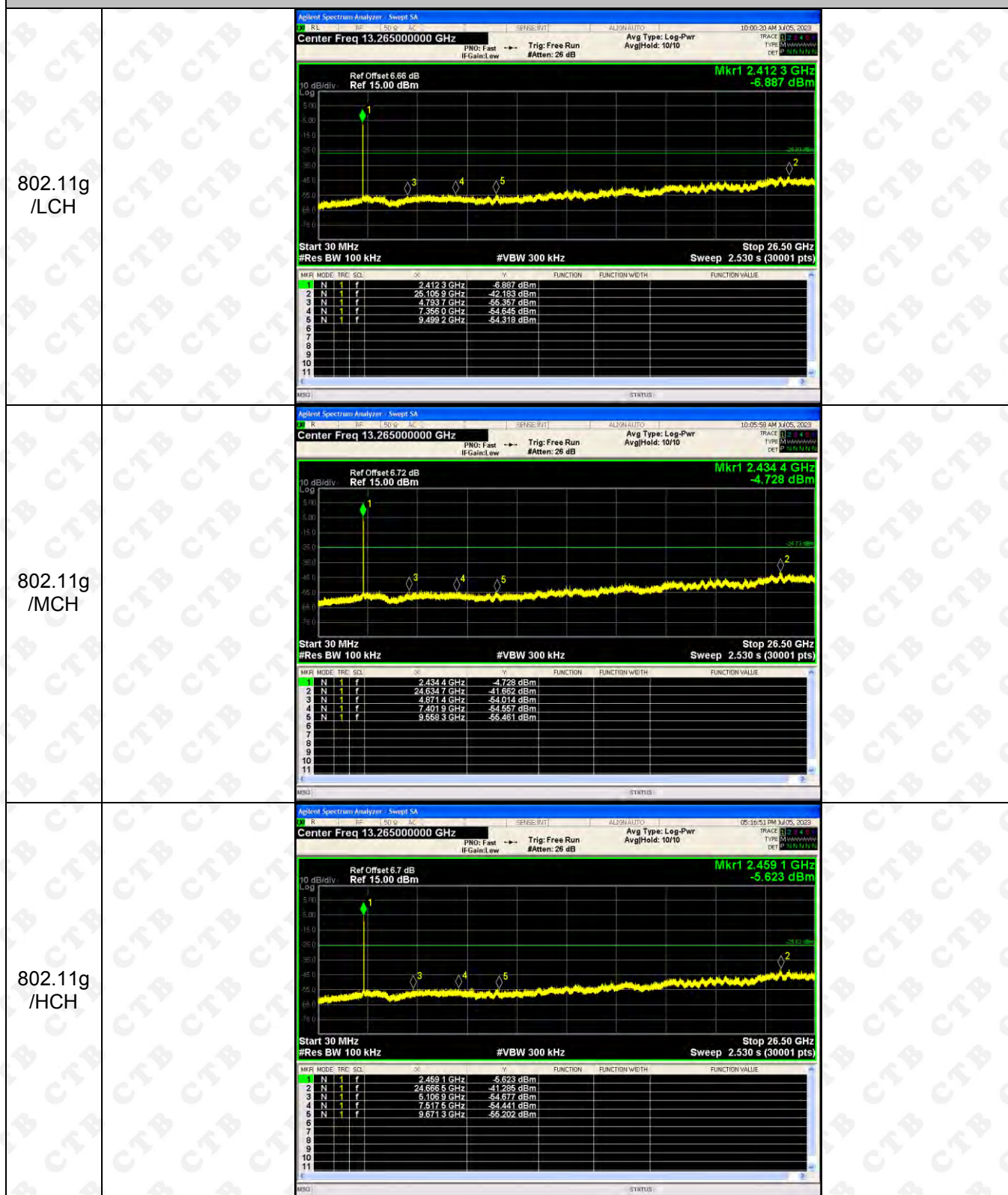
802.11n(HT40)/H
CH



RF Conducted Spurious Emissions Graphs

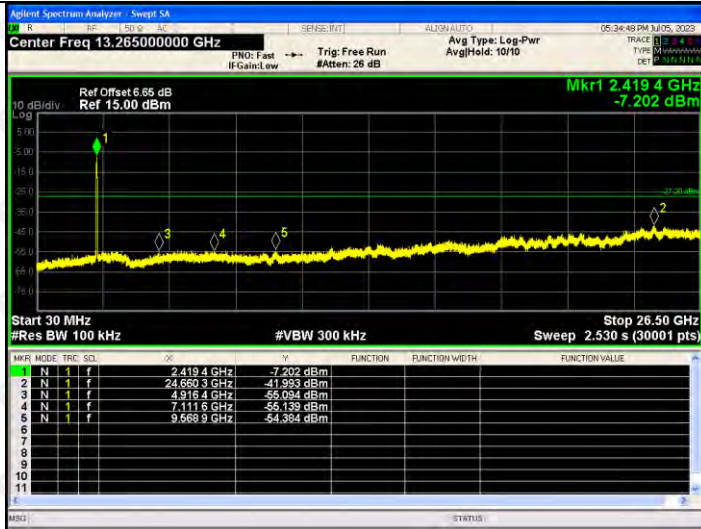
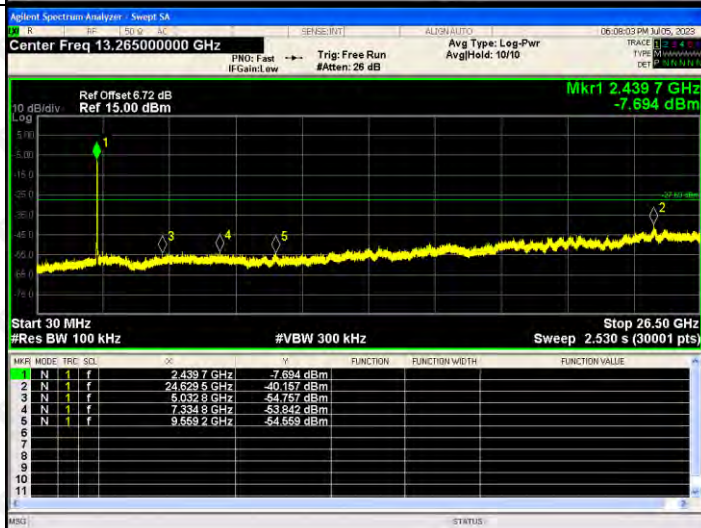
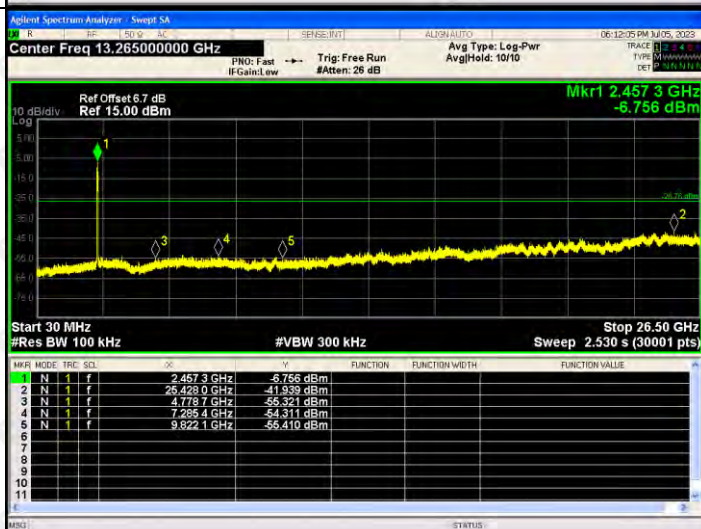
802.11b /LCH	 <table><tr><th>MNR</th><th>MODE</th><th>TRF</th><th>SQL</th><th>F</th><th>P</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.4105 GHz</td><td>-0.791 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.6374 GHz</td><td>-41.163 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.7392 GHz</td><td>-55.698 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.4072 GHz</td><td>-54.308 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.5416 GHz</td><td>-54.696 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRF	SQL	F	P	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.4105 GHz	-0.791 dBm				2	N	1	f	24.6374 GHz	-41.163 dBm				3	N	1	f	4.7392 GHz	-55.698 dBm				4	N	1	f	7.4072 GHz	-54.308 dBm				5	N	1	f	9.5416 GHz	-54.696 dBm				
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RF Conducted Spurious Emissions Graphs



RF Conducted Spurious Emissions Graphs

802.11n (HT20)/ LCH	Agilent Spectrum Analyzer - Sweep SA Center Freq 13.265000000 GHz Ref Offset 6.66 dB Ref 15.00 dBm Mkr1 2.413 2 GHz -4.134 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.530 s (30001 pts) <table><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SQL</th><th>F</th><th>P</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.413 2 GHz</td><td>-4.134 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.430 3 GHz</td><td>-40.471 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.799 9 GHz</td><td>-55.264 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.265 1 GHz</td><td>-54.605 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.541 6 GHz</td><td>-54.757 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRC	SQL	F	P	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 2 GHz	-4.134 dBm				2	N	1	f	2.430 3 GHz	-40.471 dBm				3	N	1	f	4.799 9 GHz	-55.264 dBm				4	N	1	f	7.265 1 GHz	-54.605 dBm				5	N	1	f	9.541 6 GHz	-54.757 dBm			
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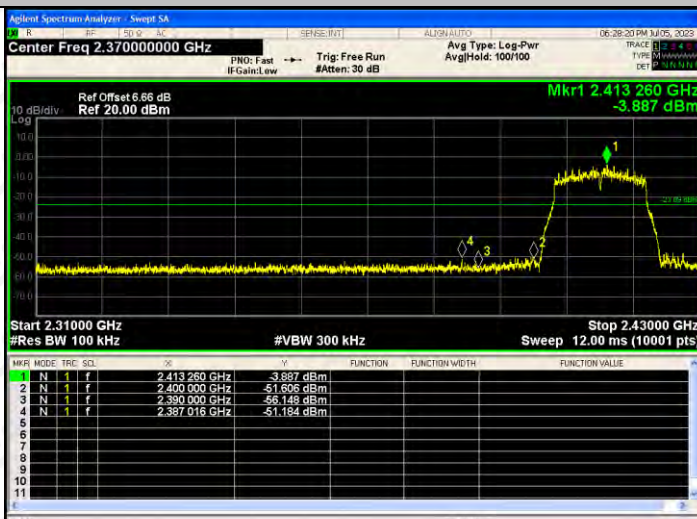
802.11n (HT40)/ LCH	 <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SOL</th><th>F</th><th>P</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.4194 GHz</td><td>-7.202 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.6603 GHz</td><td>-41.993 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.9164 GHz</td><td>-56.034 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.1116 GHz</td><td>-56.139 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.5689 GHz</td><td>-54.364 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SOL	F	P	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.4194 GHz	-7.202 dBm				2	N	1	f	24.6603 GHz	-41.993 dBm				3	N	1	f	4.9164 GHz	-56.034 dBm				4	N	1	f	7.1116 GHz	-56.139 dBm				5	N	1	f	9.5689 GHz	-54.364 dBm			
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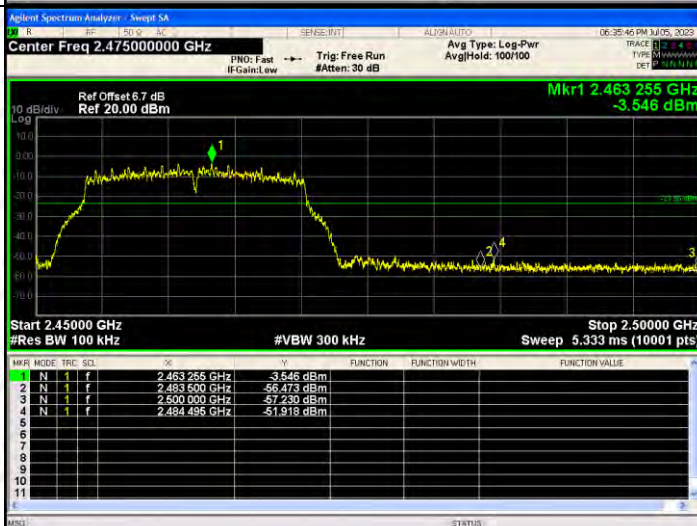


BAND EDGE Graphs

802.11g/LCH

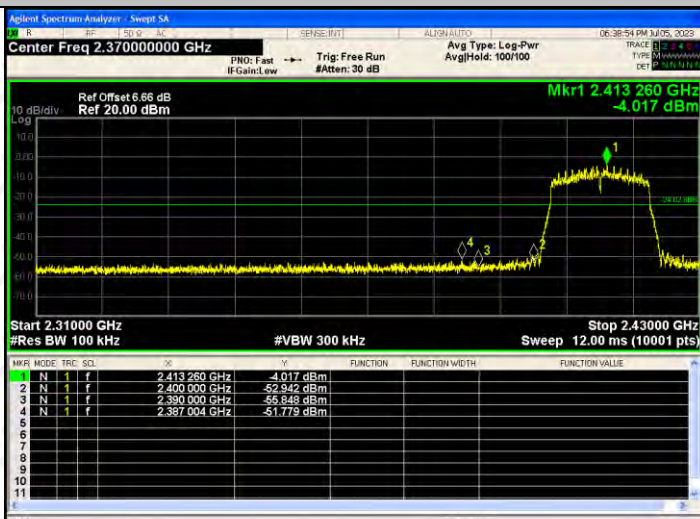


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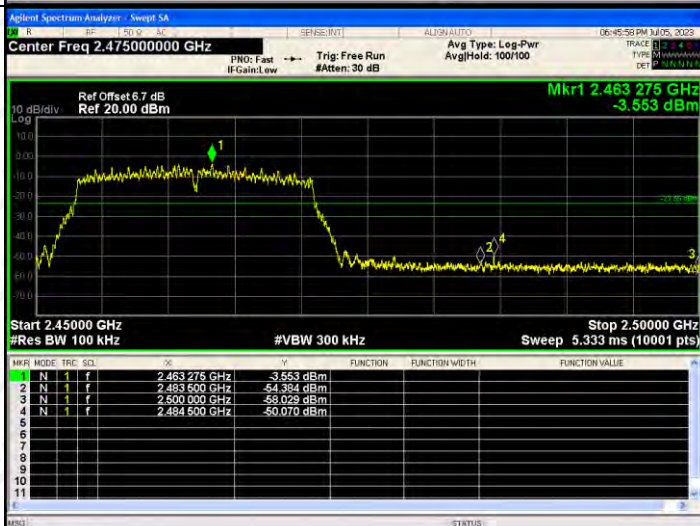


BAND EDGE Graphs

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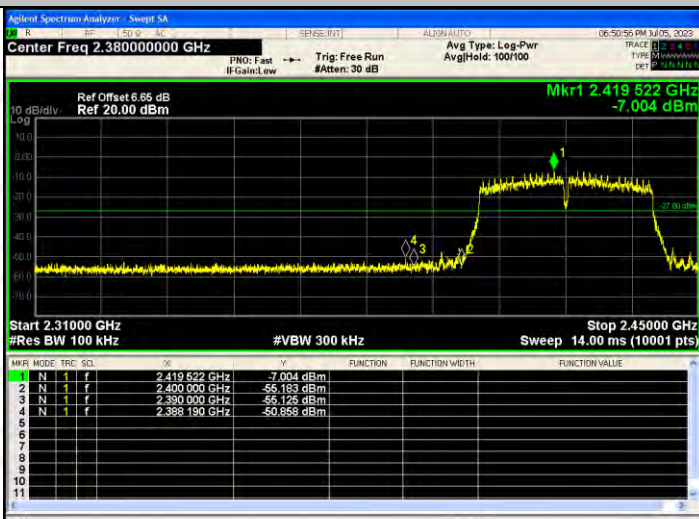


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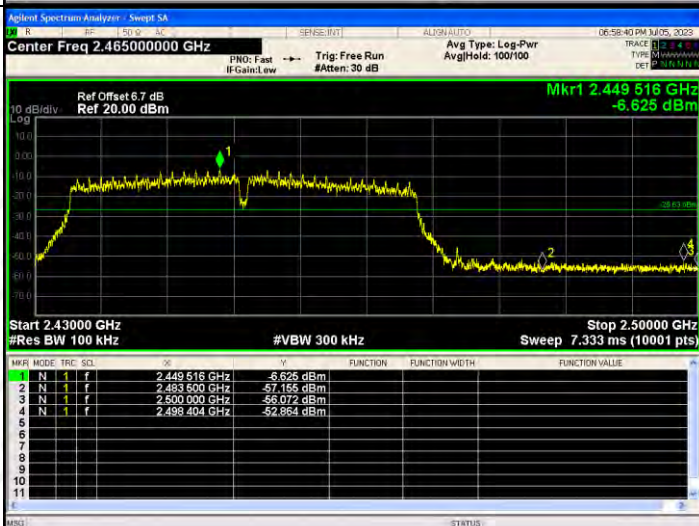


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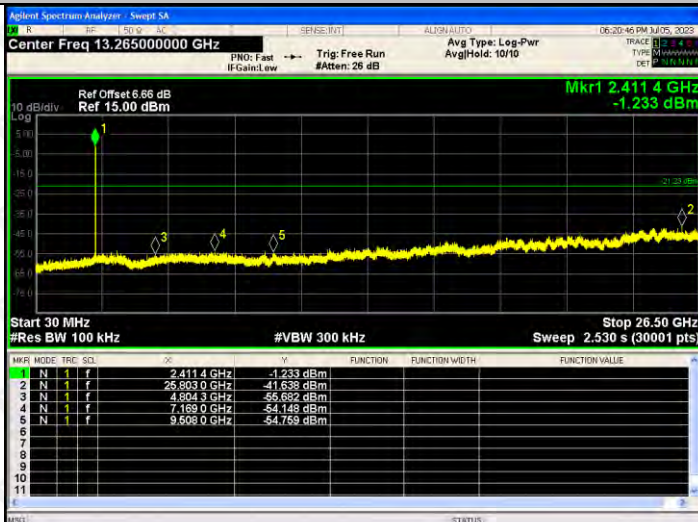
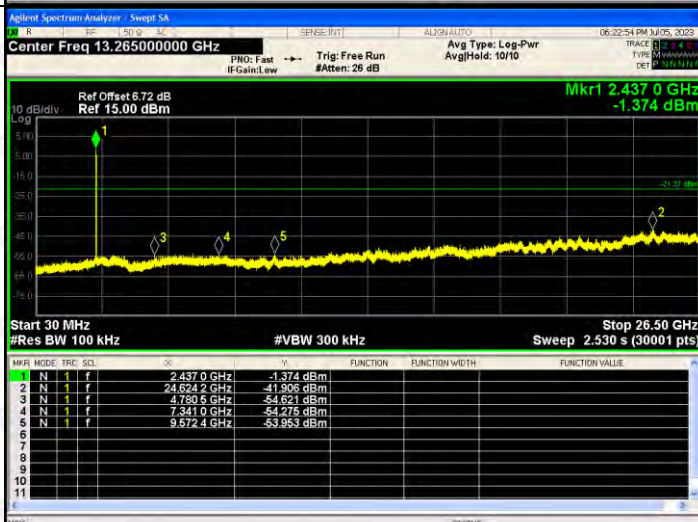
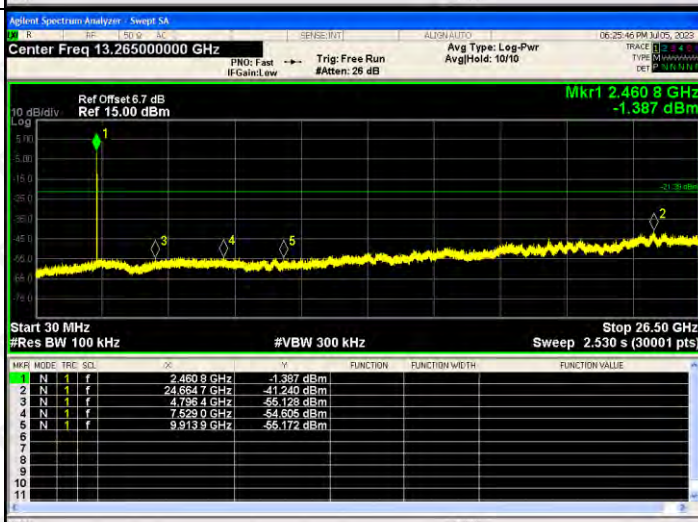
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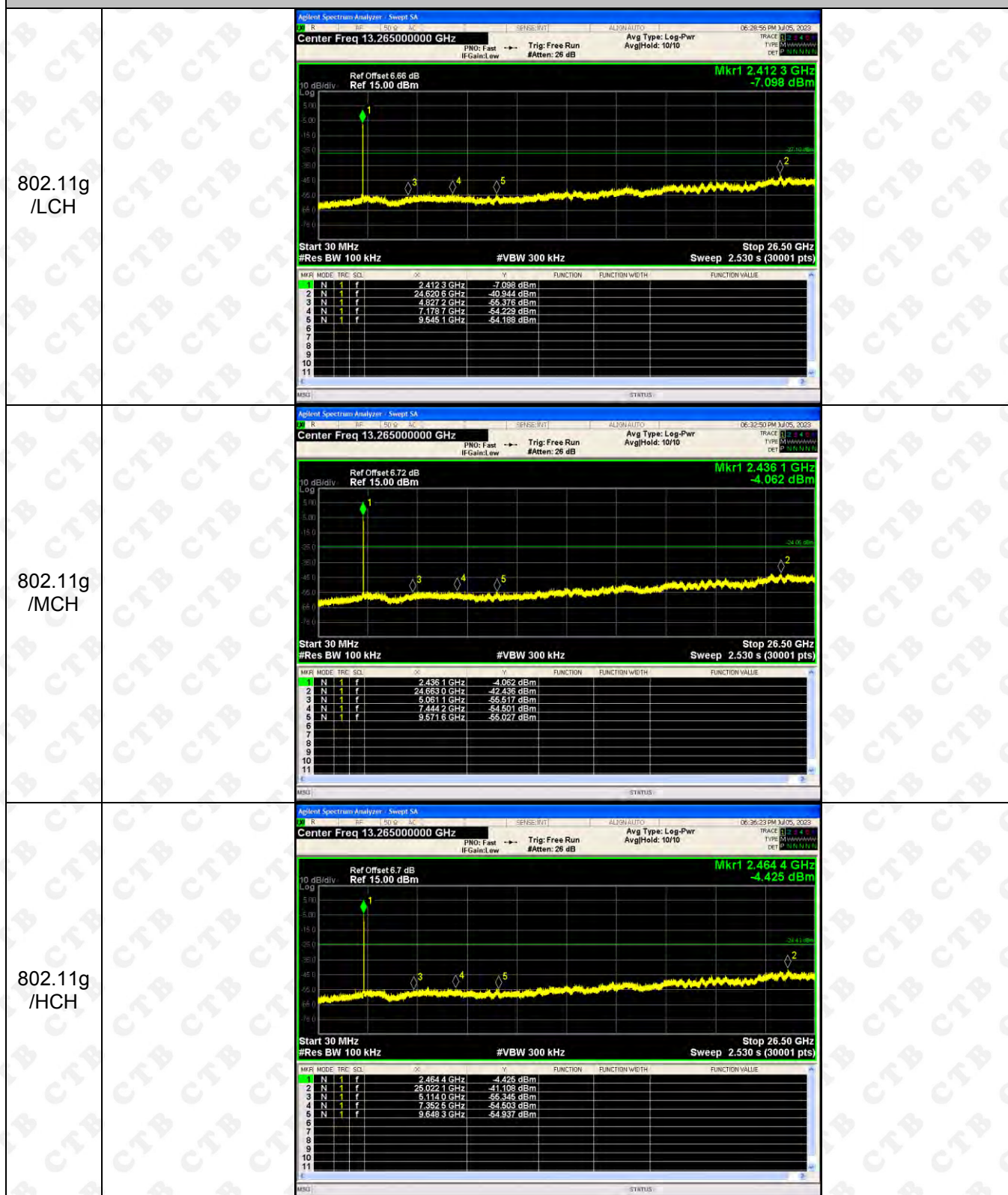
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RF Conducted Spurious Emissions Graphs

802.11b /LCH	 <table><tr><th>MNR</th><th>MODE</th><th>TRF</th><th>SQL</th><th>F</th><th>P</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.4114 GHz</td><td>-1.233 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>25.8030 GHz</td><td>-41.638 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.8043 GHz</td><td>-55.652 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.1690 GHz</td><td>-54.148 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.5980 GHz</td><td>-54.759 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRF	SQL	F	P	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.4114 GHz	-1.233 dBm				2	N	1	f	25.8030 GHz	-41.638 dBm				3	N	1	f	4.8043 GHz	-55.652 dBm				4	N	1	f	7.1690 GHz	-54.148 dBm				5	N	1	f	9.5980 GHz	-54.759 dBm				
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RF Conducted Spurious Emissions Graphs



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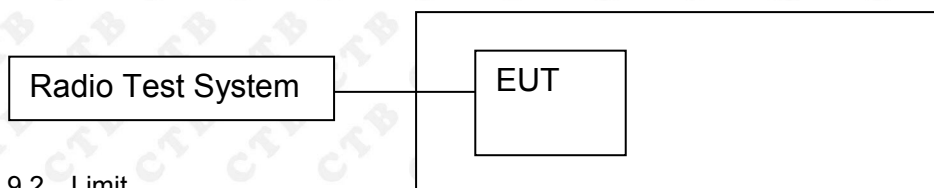
802.11n (HT20)/ LCH	Agilent Spectrum Analyzer - Sweep SA Center Freq 13.265000000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 26 dB Avg Type: Log-Pwr Avg/Hold: 10/10 Ref Offset 6.66 dB Ref 15.00 dBm Mkr1 2.414 9 GHz -4.747 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.530 s (30001 pts) MFR MODE TRC SQ FZ FZ FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 2.414 9 GHz -4.747 dBm 2 N 1 f 2.462 0 6 GHz -40.524 dBm 3 N 1 f 4.927 8 GHz -55.595 dBm 4 N 1 f 7.432 8 GHz -54.407 dBm 5 N 1 f 9.568 0 GHz -54.852 dBm	
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RF Conducted Spurious Emissions Graphs

802.11 n(HT40) /LCH	Agilent Spectrum Analyzer - Sweep SA Center Freq 13.265000000 GHz Ref Offset 6.65 dB Ref 15.00 dBm Mkr1 2.425 5 GHz -7.644 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.530 s (30001 pts) <table><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SQL</th><th>FZ</th><th>F</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td></td><td>2.425 5 GHz</td><td></td><td></td><td>-7.644 dBm</td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td></td><td>24.708 9 GHz</td><td></td><td></td><td>-40.349 dBm</td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td></td><td>5.017 8 GHz</td><td></td><td></td><td>-55.320 dBm</td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td></td><td>7.169 4 GHz</td><td></td><td></td><td>-55.321 dBm</td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td></td><td>9.550 4 GHz</td><td></td><td></td><td>-53.949 dBm</td></tr></table>	MNR	MODE	TRC	SQL	FZ	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f		2.425 5 GHz			-7.644 dBm	2	N	1	f		24.708 9 GHz			-40.349 dBm	3	N	1	f		5.017 8 GHz			-55.320 dBm	4	N	1	f		7.169 4 GHz			-55.321 dBm	5	N	1	f		9.550 4 GHz			-53.949 dBm
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9. COUDUCTED OUTPUT POWER

9.1 Block Diagram Of Test Setup



9.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

9.3 Test procedure

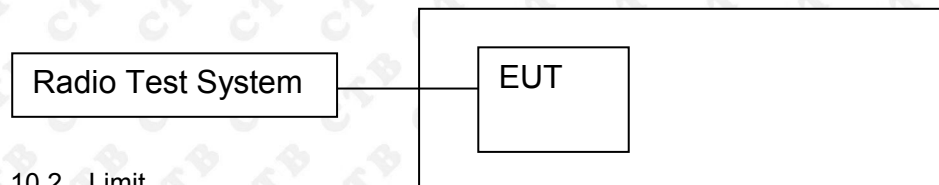
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1MHz. VBW = 3MHz. Sweep = auto; Detector Function = Peak. Channel power function is used
3. Keep the EUT in transmitting at lowest, middle and highest channel individually. Record the max value.

9.4 Test Result

Mode	Channel.	Maximum Output Power [dBm] ant 1	Maximum Output Power [dBm] ant 2	Total Power Conducted Output Power(PK)	Limit[dBm]
802.11b	LCH	14.596	14.614	/	30
	MCH	14.814	14.748	/	30
	HCH	13.135	13.275	/	30
802.11g	LCH	13.456	13.205	/	30
	MCH	13.972	13.88	/	30
	HCH	14.195	13.866	/	30
802.11n(HT20)	LCH	13.21	13.245	16.238	30
	MCH	13.61	13.701	16.666	30
	HCH	13.604	13.643	16.634	30
802.11n(HT40)	LCH	12.573	12.671	15.633	30
	MCH	12.921	12.194	15.583	30
	HCH	13.281	12.801	16.058	30

10. 6DB OCCUPIED BANDWIDTH

10.1 Block Diagram Of Test Setup



10.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

10.3 Test procedure

1. Rem1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 Test Result

ANT1:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	7.705	500	PASS
	MCH	9.052	500	PASS
	HCH	7.927	500	PASS
802.11g	LCH	15.118	500	PASS
	MCH	15.128	500	PASS
	HCH	15.13	500	PASS
802.11n(HT20)	LCH	16.022	500	PASS
	MCH	15.133	500	PASS
	HCH	15.123	500	PASS
802.11n(HT40)	LCH	35.129	500	PASS
	MCH	35.142	500	PASS
	HCH	35.094	500	PASS

ANT2:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	8.834	500	PASS
	MCH	8.354	500	PASS
	HCH	8.568	500	PASS
802.11g	LCH	15.104	500	PASS
	MCH	15.135	500	PASS
	HCH	15.117	500	PASS
802.11n(HT20)	LCH	15.068	500	PASS
	MCH	15.952	500	PASS
	HCH	15.124	500	PASS
802.11n(HT40)	LCH	35.116	500	PASS
	MCH	35.108	500	PASS
	HCH	32.601	500	PASS

ANT1:

Test Graph:

Graphs

802.11b /LCH



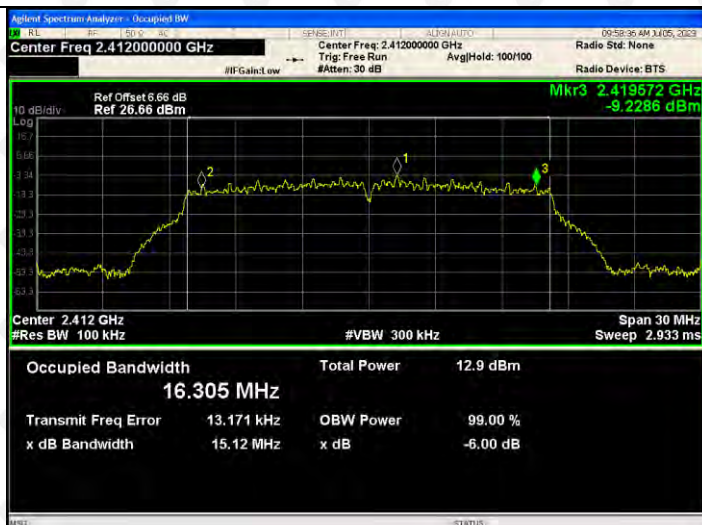
802.11b /MCH



802.11b/HCH



802.11g/LCH

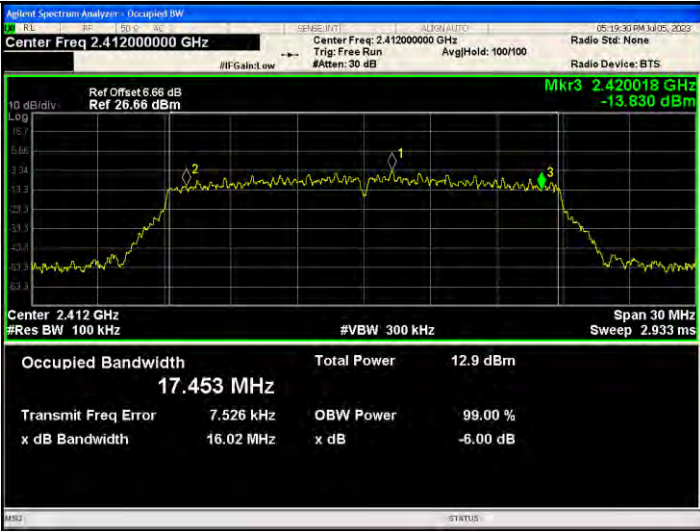
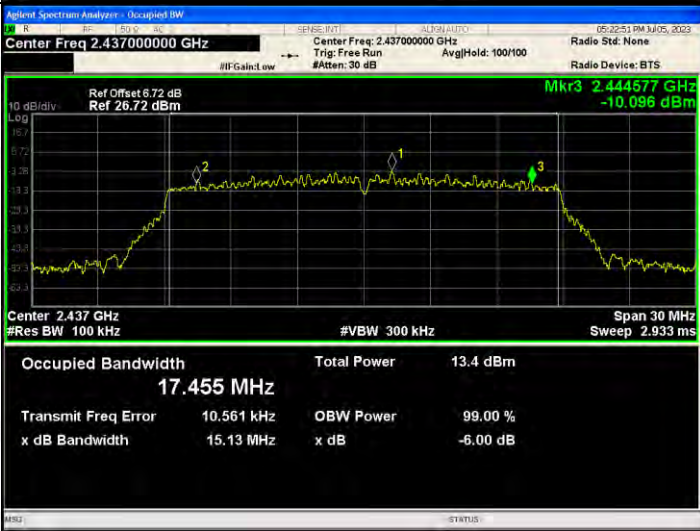
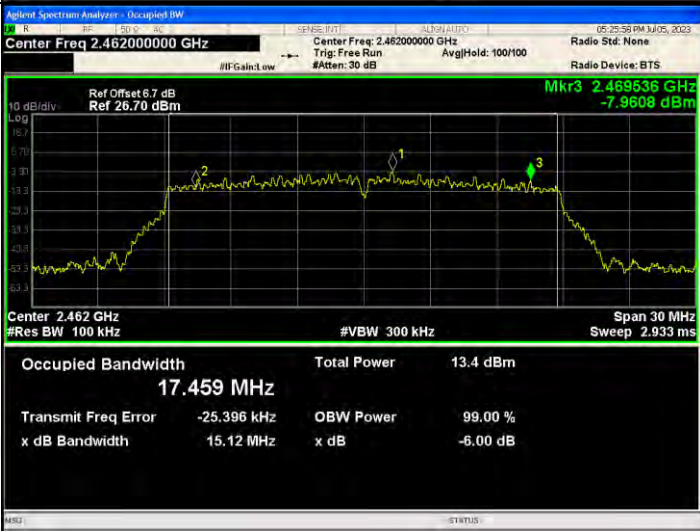


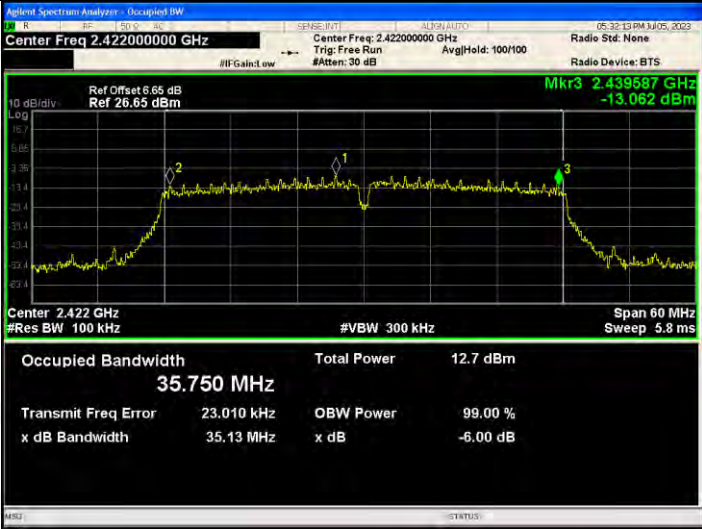
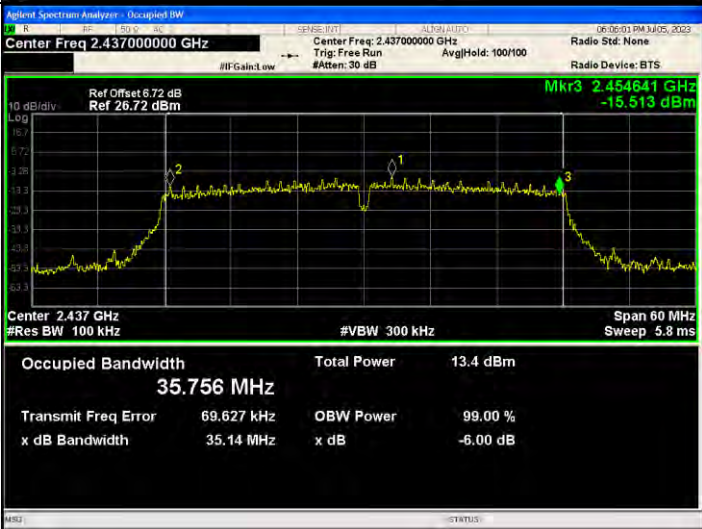
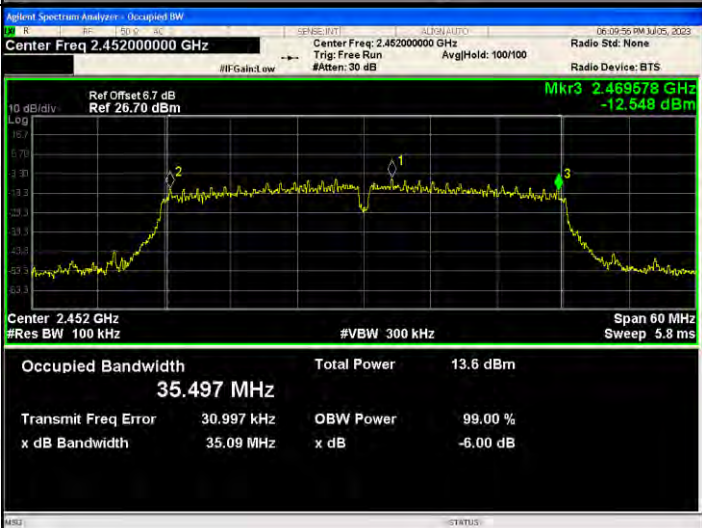
802.11g/MCH



802.11g/HCH

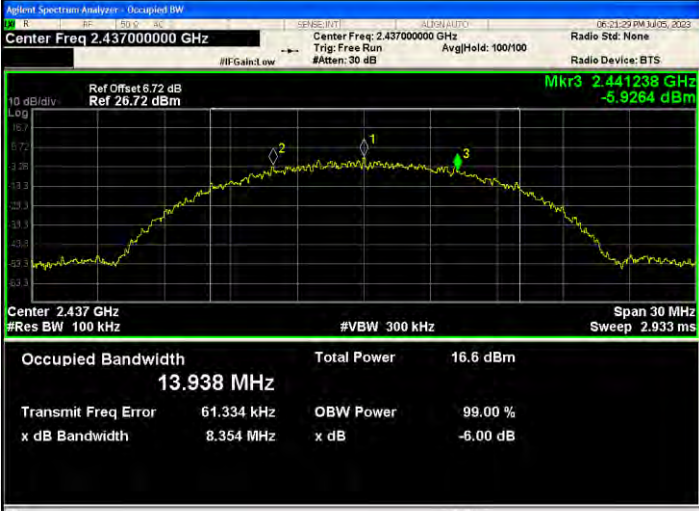
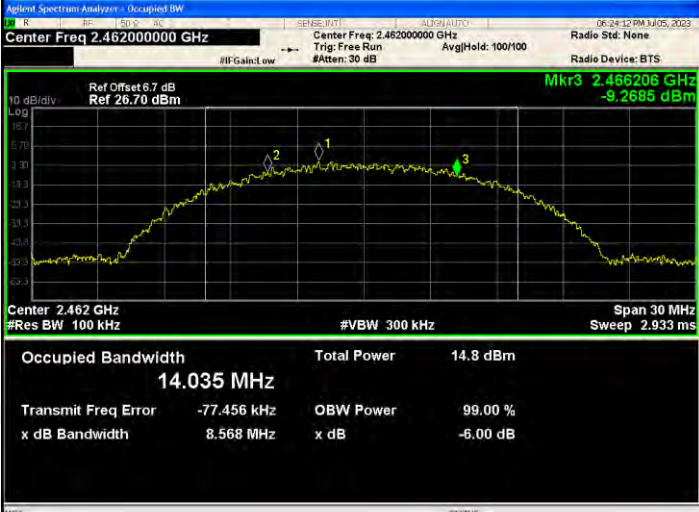


802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 6.66 dB Ref 26.66 dBm Mkr3 2.420018 GHz -13.830 dBm Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.453 MHz Total Power 12.9 dBm Transmit Freq Error 7.526 kHz OBW Power 99.00 % x dB Bandwidth 16.02 MHz x dB -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 6.72 dB Ref 26.72 dBm Mkr3 2.444677 GHz -10.096 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.455 MHz Total Power 13.4 dBm Transmit Freq Error 10.561 kHz OBW Power 99.00 % x dB Bandwidth 15.13 MHz x dB -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 6.7 dB Ref 26.70 dBm Mkr3 2.469536 GHz -7.9608 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.459 MHz Total Power 13.4 dBm Transmit Freq Error -25.396 kHz OBW Power 99.00 % x dB Bandwidth 15.12 MHz x dB -6.00 dB

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Ref Offset 6.65 dB Ref 26.65 dBm Mkr3 2.439587 GHz -13.062 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.750 MHz Total Power 12.7 dBm Transmit Freq Error 23.010 kHz OBW Power 99.00 % x dB Bandwidth 35.13 MHz x dB -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 6.72 dB Ref 26.72 dBm Mkr3 2.454641 GHz -15.513 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.756 MHz Total Power 13.4 dBm Transmit Freq Error 69.627 kHz OBW Power 99.00 % x dB Bandwidth 35.14 MHz x dB -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.45200000 GHz Ref Offset 6.7 dB Ref 26.70 dBm Mkr3 2.469578 GHz -12.548 dBm Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.497 MHz Total Power 13.6 dBm Transmit Freq Error 30.997 kHz OBW Power 99.00 % x dB Bandwidth 35.09 MHz x dB -6.00 dB

ANT2:

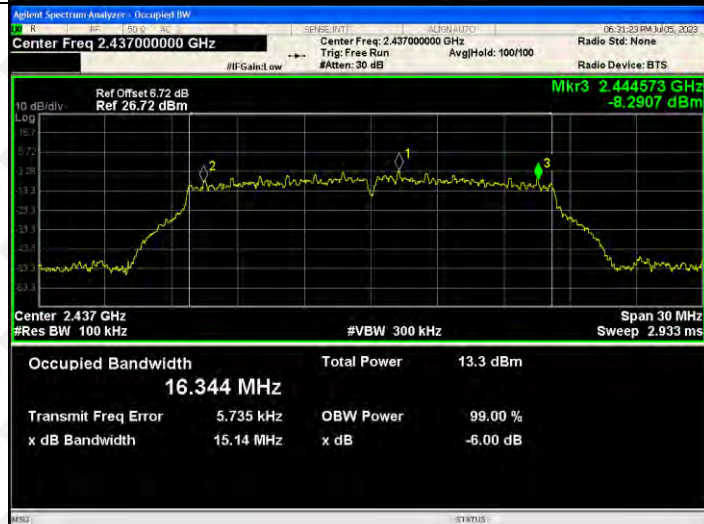
Test Graph:

Graphs	
802.11b /LCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.41200000 GHz Center Freq: 2.41200000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref Offset 6.66 dB Ref 26.66 dBm Mkr3 2.418438 GHz -7.3031 dBm Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 14.014 MHz Total Power 16.1 dBm Transmit Freq Error 21.264 kHz OBW Power 99.00 % x dB Bandwidth 8.834 MHz x dB -6.00 dB
802.11b /MCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref Offset 6.72 dB Ref 26.72 dBm Mkr3 2.441238 GHz -8.9264 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 13.938 MHz Total Power 16.6 dBm Transmit Freq Error 61.334 kHz OBW Power 99.00 % x dB Bandwidth 8.354 MHz x dB -6.00 dB
802.11b/HCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref Offset 6.7 dB Ref 26.70 dBm Mkr3 2.466208 GHz -9.2685 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 14.035 MHz Total Power 14.8 dBm Transmit Freq Error -77.456 kHz OBW Power 99.00 % x dB Bandwidth 8.568 MHz x dB -6.00 dB

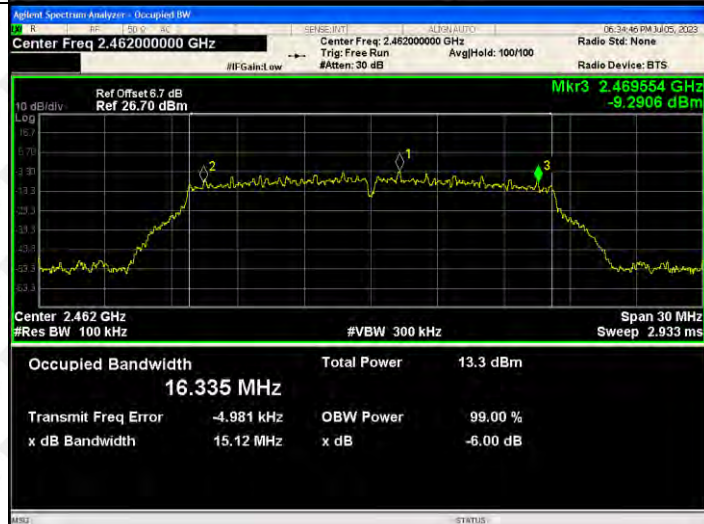
802.11g/LCH

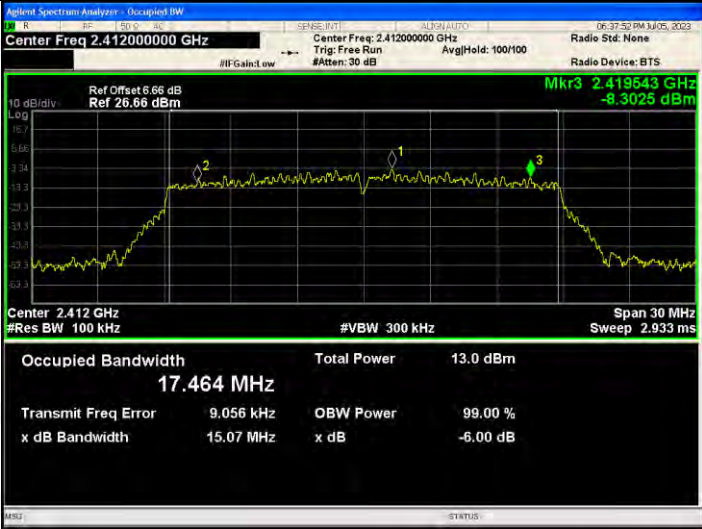
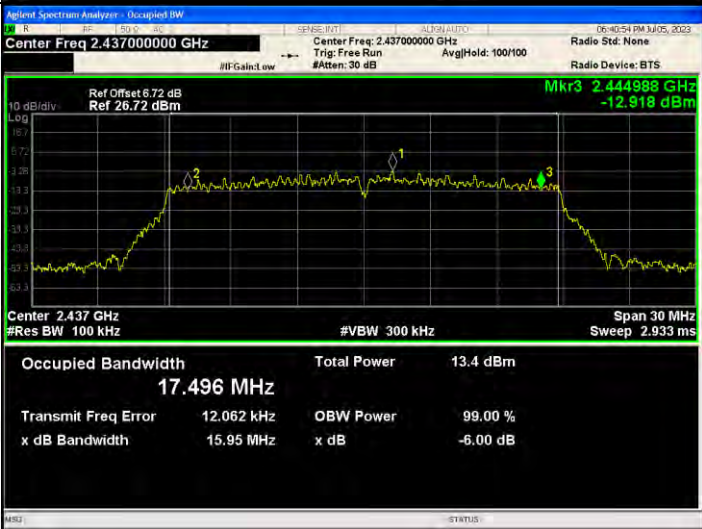
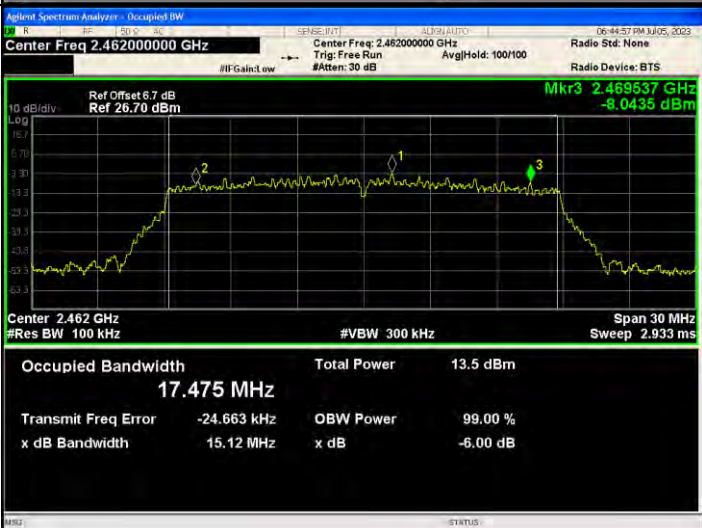


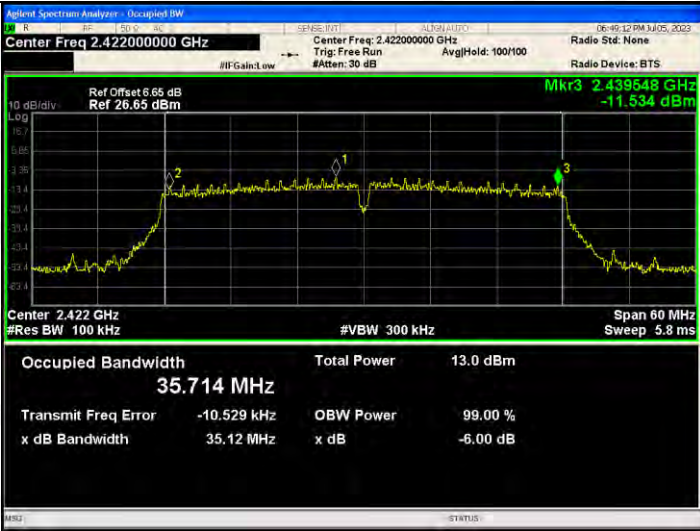
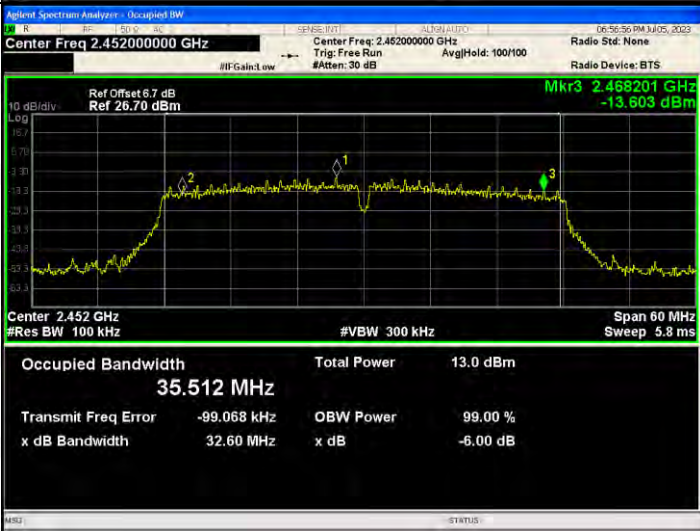
802.11g/MCH



802.11g/HCH

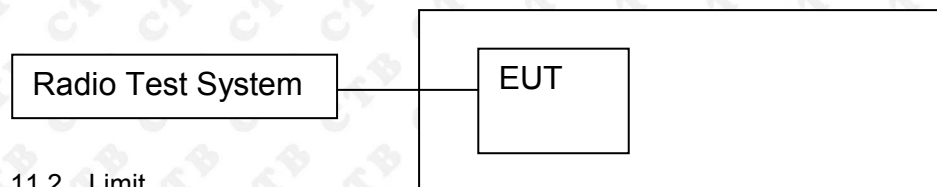


802.11n(HT20)/LC H	
802.11n(HT20)/MC H	
802.11n(HT20)/HC H	

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Ref Offset 6.65 dB Ref 26.65 dBm Mkr3 2.439548 GHz -11.534 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.714 MHz Total Power 13.0 dBm Transmit Freq Error -10.529 kHz OBW Power 99.00 % x dB Bandwidth 35.12 MHz x dB -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 6.72 dB Ref 26.72 dBm Mkr3 2.454531 GHz -12.740 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.670 MHz Total Power 12.3 dBm Transmit Freq Error -22.297 kHz OBW Power 99.00 % x dB Bandwidth 35.11 MHz x dB -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.45200000 GHz Ref Offset 6.7 dB Ref 26.70 dBm Mkr3 2.468201 GHz -13.603 dBm Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.512 MHz Total Power 13.0 dBm Transmit Freq Error -99.068 kHz OBW Power 99.00 % x dB Bandwidth 32.60 MHz x dB -6.00 dB

11. POWER SPECTRAL DENSITY

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

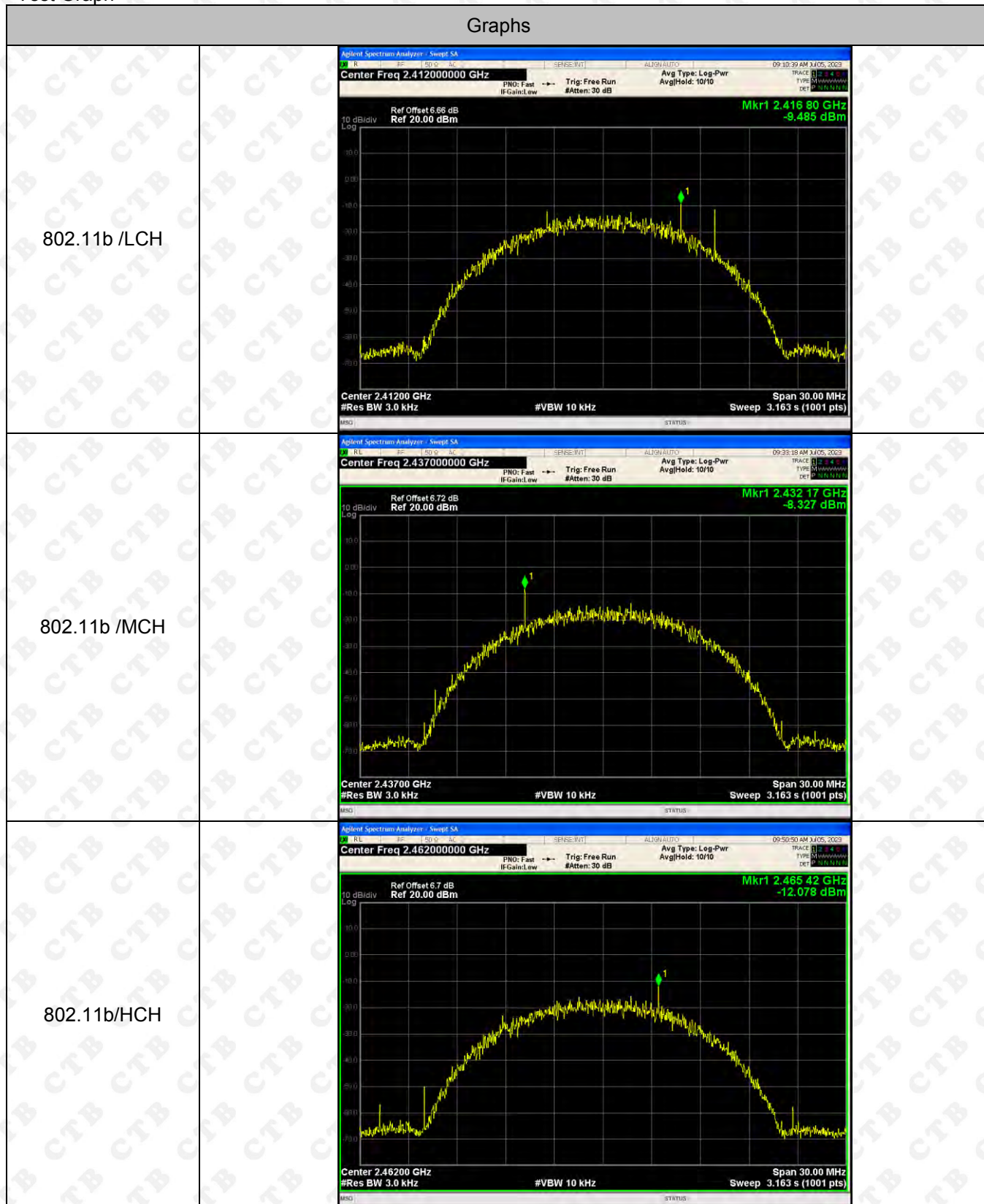
11.3 Test procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = Peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

11.4 Test Result

Mode	Channel.	Power Spectral Density [dBm /3KHz] ANT 1	Power Spectral Density [dBm /3KHz] ANT 2	Power Spectral Density [dBm /3KHz] Total	Limit(dBm)
802.11b	LCH	-9.485	-3.144	/	8
	MCH	-8.327	-13.844	/	8
	HCH	-12.078	-1.391	/	8
802.11g	LCH	-19.31	-19.976	/	8
	MCH	-19.303	-18.989	/	8
	HCH	-18.995	-19.579	/	8
802.11n(H T20)	LCH	-19.428	-18.513	-15.936	8
	MCH	-19.022	-18.95	-15.976	8
	HCH	-18.817	-18.491	-15.641	8
802.11n(H T40)	LCH	-22.034	-22.107	-19.060	8
	MCH	-21.581	-22.502	-19.007	8
	HCH	-21.264	-21.986	-18.600	8

ANT1:
Test Graph



802.11g/LCH

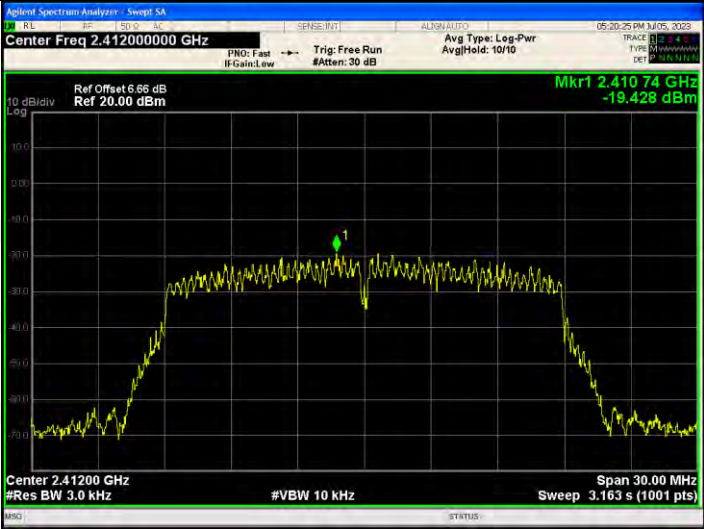


802.11g/MCH



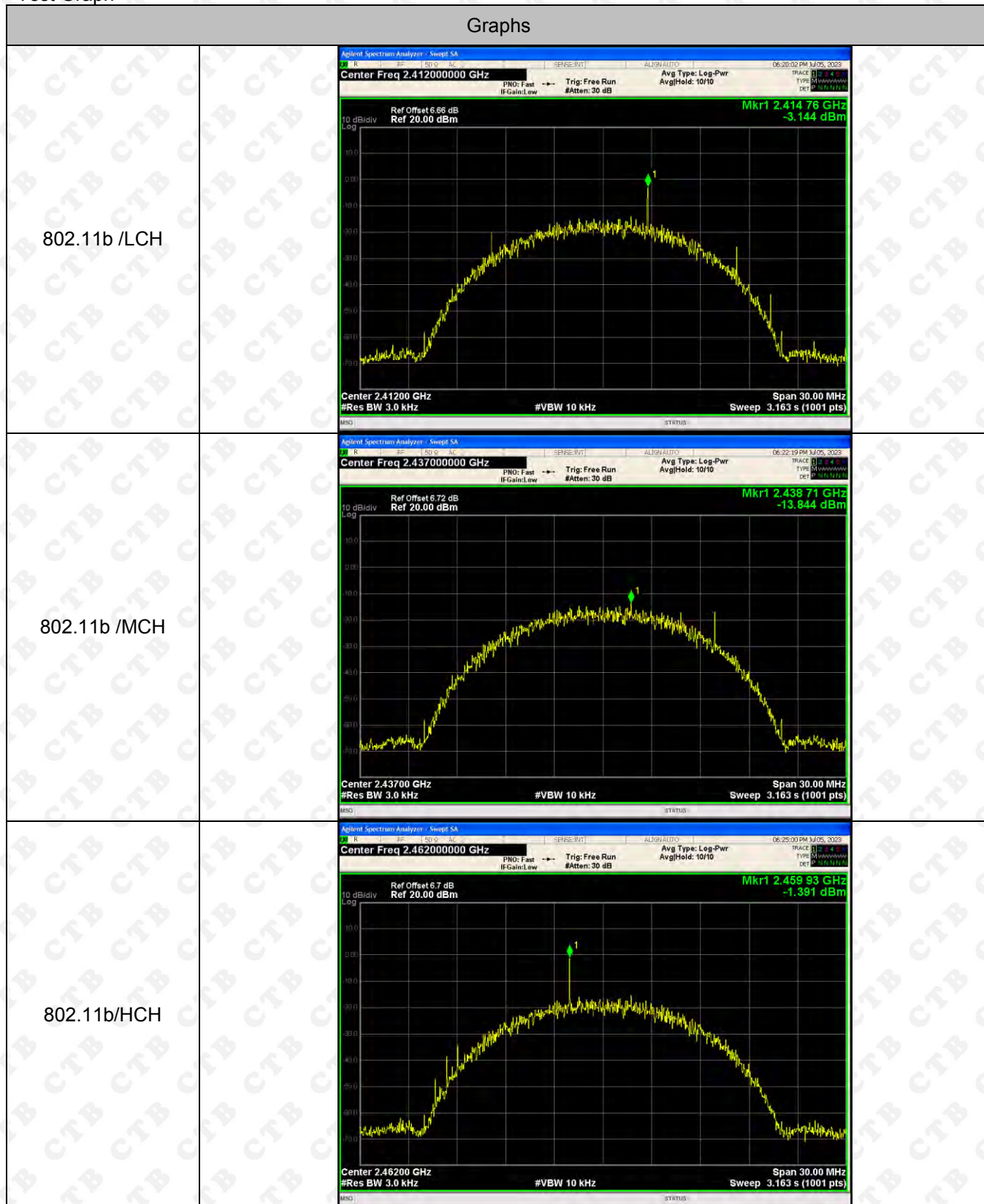
802.11g/HCH



802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.412000000 GHz Ref Offset 6.86 dB Ref 20.00 dBm Mkr1 2.41074 GHz -19.428 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.437000000 GHz Ref Offset 6.72 dB Ref 20.00 dBm Mkr1 2.43780 GHz -19.022 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.462000000 GHz Ref Offset 6.7 dB Ref 20.00 dBm Mkr1 2.45954 GHz -18.917 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.422000000 GHz Ref Offset 6.55 dB Ref 20.00 dBm Mkr1 2.426 98 GHz -22.034 dBm Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.437000000 GHz Ref Offset 6.72 dB Ref 20.00 dBm Mkr1 2.431 96 GHz -21.581 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.452000000 GHz Ref Offset 6.7 dB Ref 20.00 dBm Mkr1 2.456 98 GHz -21.264 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)

ANT 2: Test Graph



802.11g/LCH



802.11g/MCH



802.11g/HCH



802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.41200000 GHz Ref Offset 6.86 dB Ref 20.00 dBm Mkr1 2.41326 GHz -18.513 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 6.72 dB Ref 20.00 dBm Mkr1 2.43574 GHz -18.950 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 6.7 dB Ref 20.00 dBm Mkr1 2.45954 GHz -18.491 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)

802.11n(HT40)/LC H	
802.11n(HT40)/MC H	
802.11n(HT40)/HC H	

12. ANTENNA REQUIREMENT

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

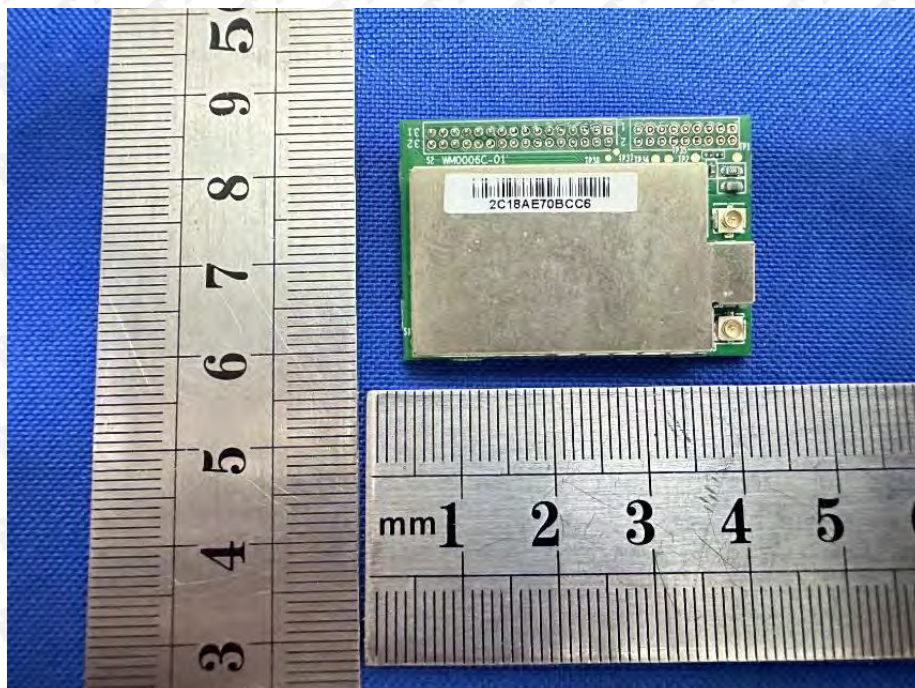
EUT Antenna:

The antenna is Dipole Antenna or FPC Antenna. The best case gain of the antenna is 5.42dBi (Max).

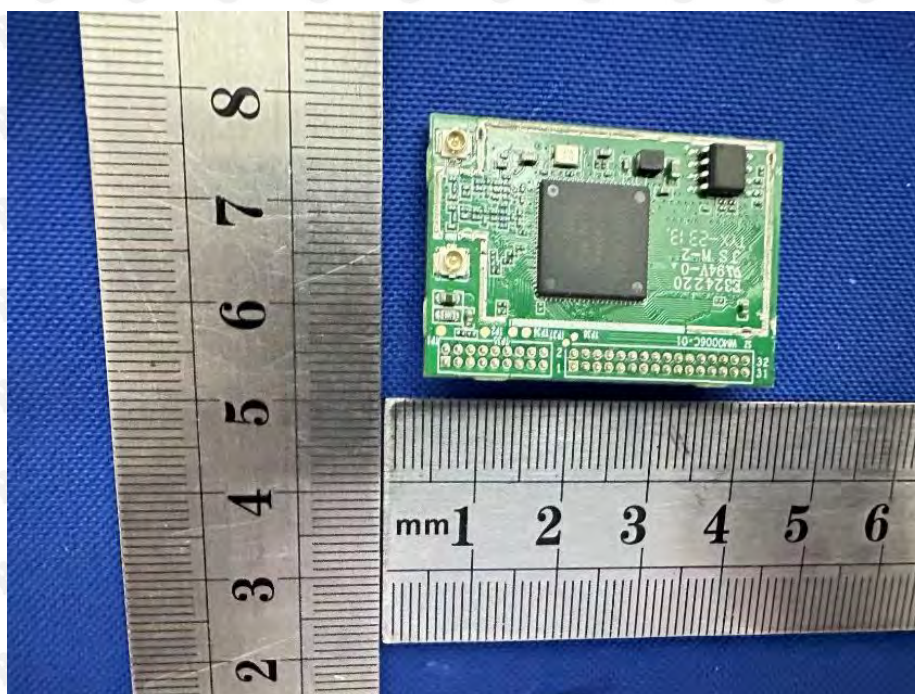
13. EUT PHOTOGRAPHS

WM0006C:

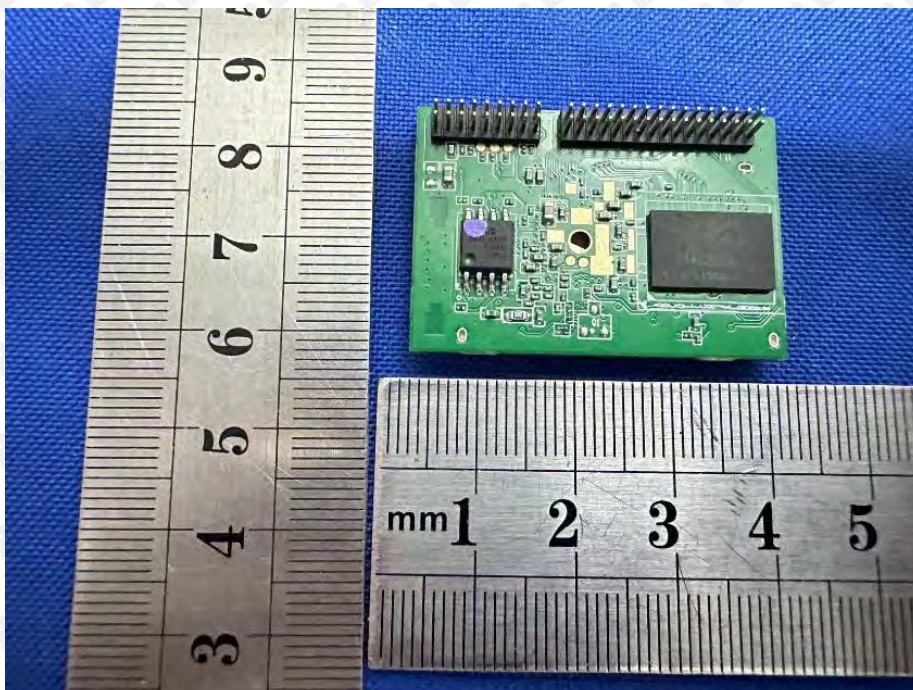
EUT Photo 1



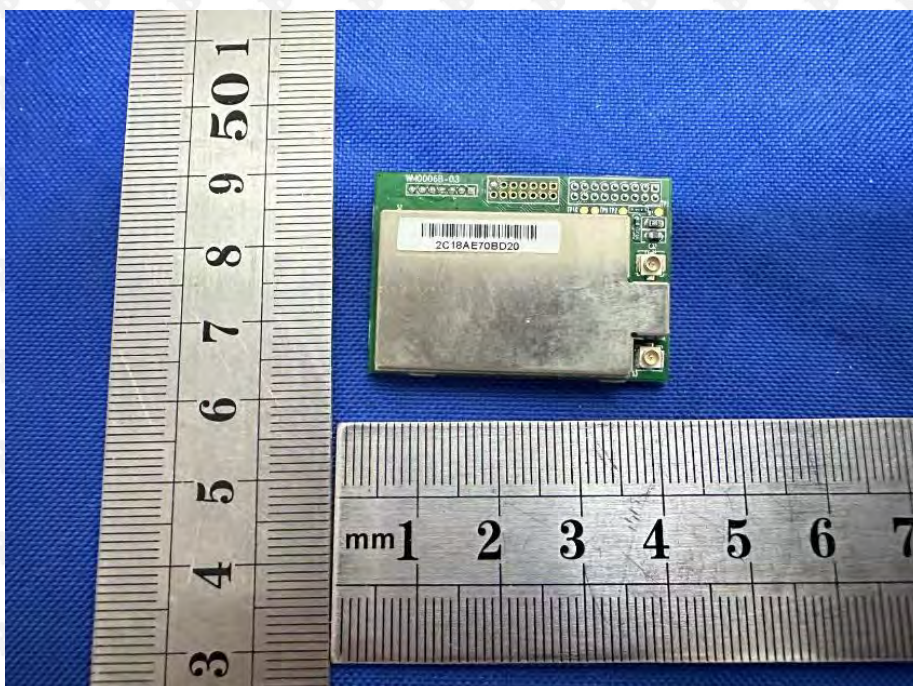
EUT Photo 2



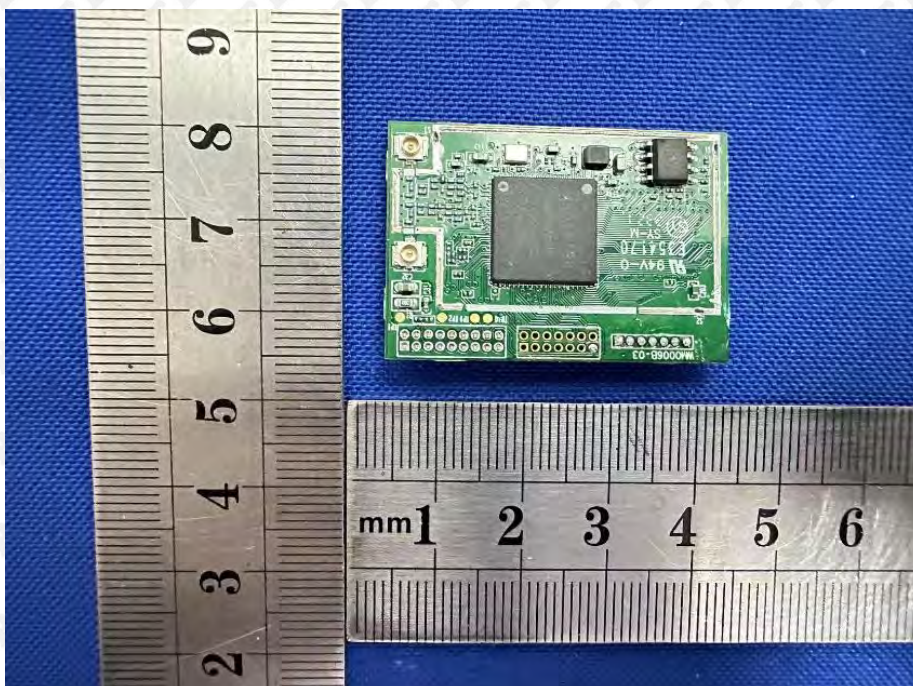
EUT Photo 3



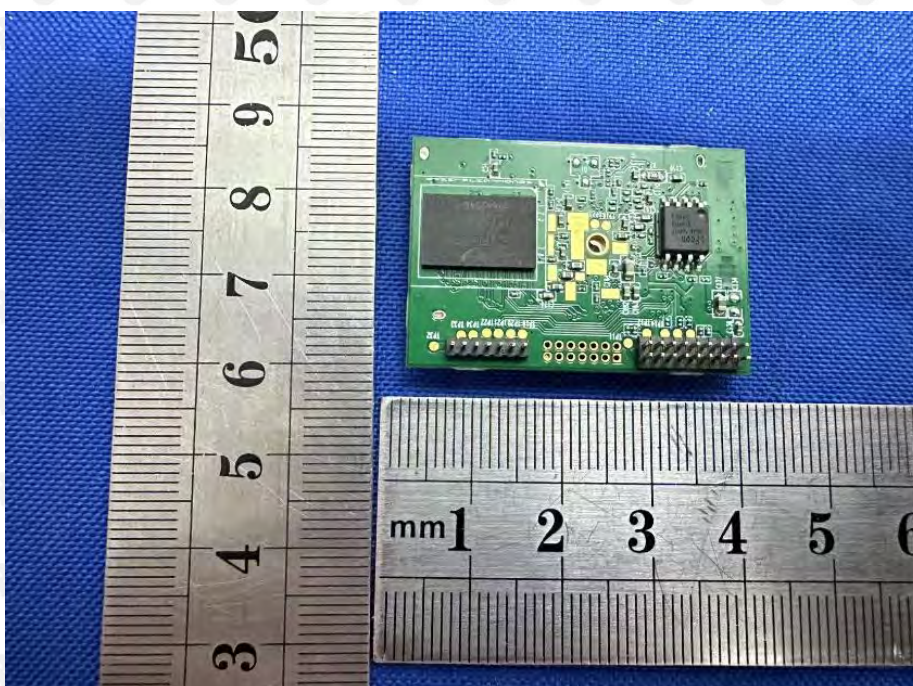
WM0006B
EUT Photo 4



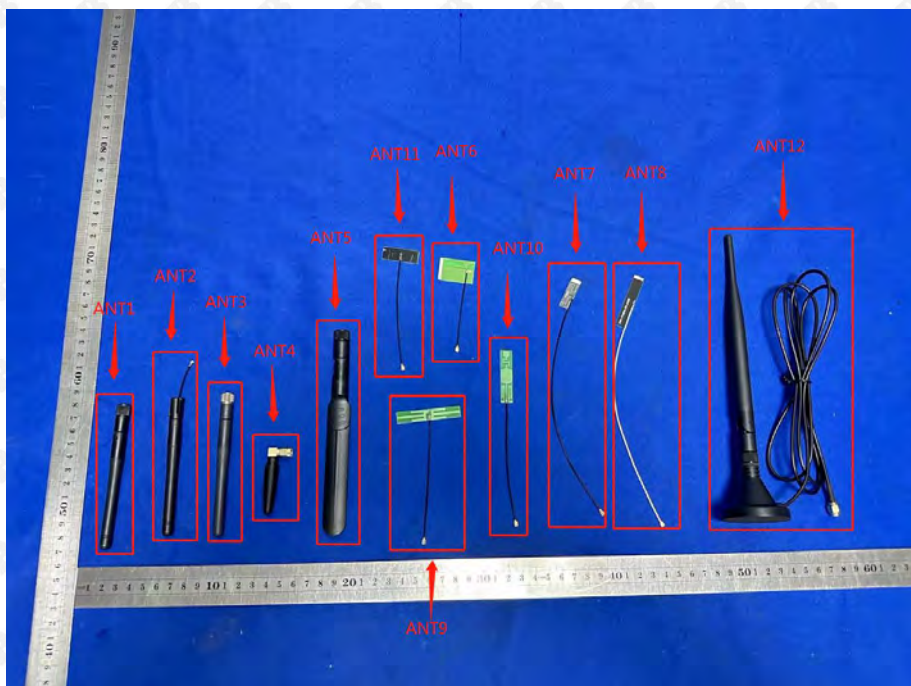
EUT Photo 5



EUT Photo 6



EUT Photo 7

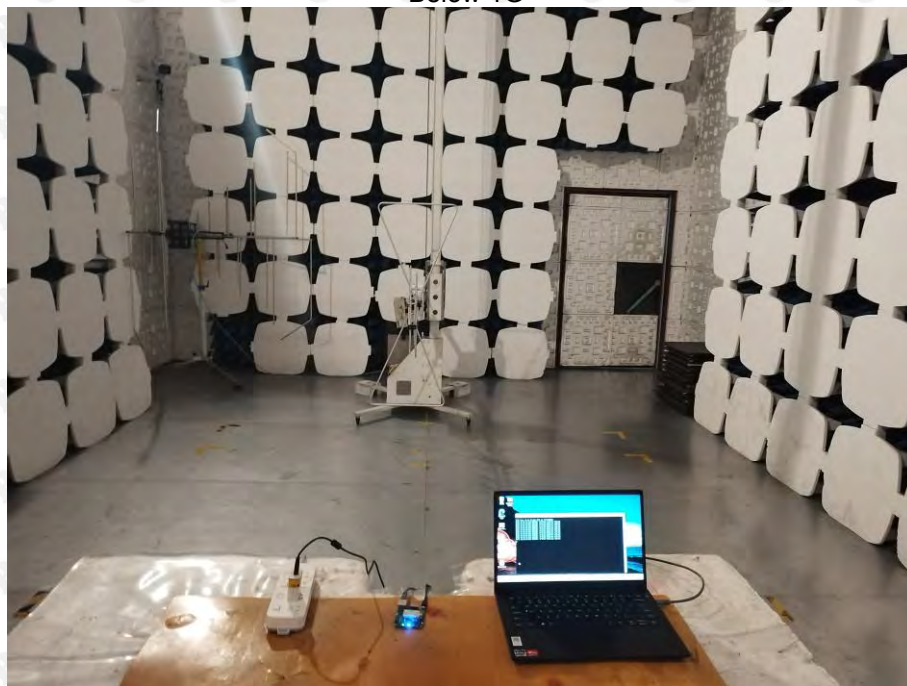


Antenna Gain: Ant1: 3.0dBi, Ant2: -2.2dBi, Ant3: 5.42dBi, Ant4: 4.99dBi, Ant5: 2.05dBi, Ant6: 3.6dBi, Ant7: -2.1dBi, Ant8: 0.2dBi, Ant9: 3.57dBi, Ant10: 2.58dBi, Ant11: 4.02dBi, Ant12: 4.52dBi

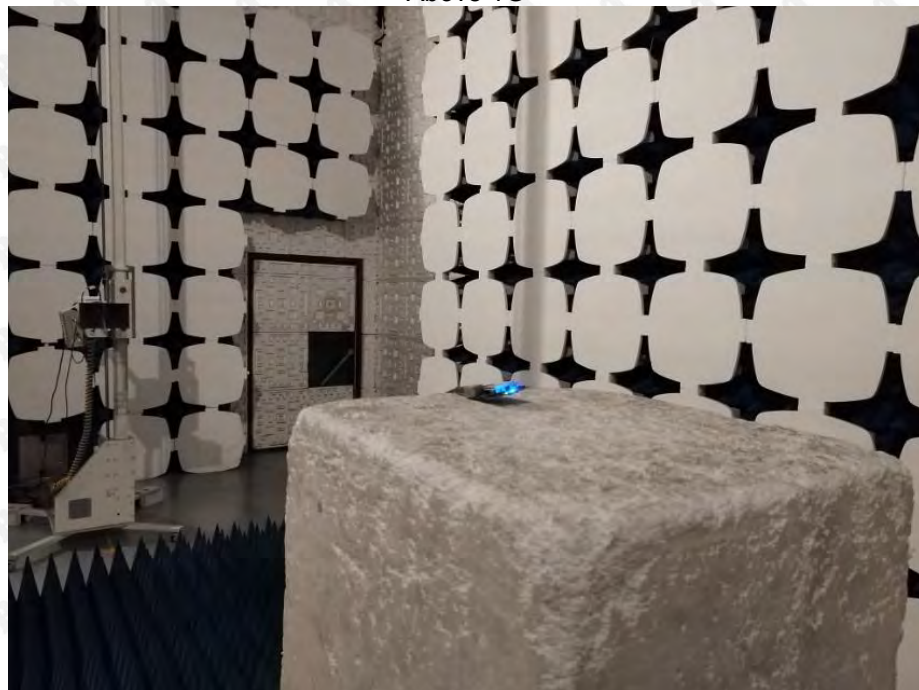
14. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

Below 1G



Above 1G



Conducted emissions



***** END OF REPORT *****